



Customer-Focused Solutions

March 10, 2005

SECOR International, Inc.
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670

ATTN: MR. THOMAS POTTER

SITE: FORMER CIRCLE K STORE 01106
1693 CENTRAL AVENUE
MCKINLEYVILLE, CALIFORNIA
LOP # 12698

RE: QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2005

This Quarterly Monitoring Report for Former Circle K Store 01106 is being sent to you for your review and comment. If no comments are received by **March 17, 2005** copies of this report will be sent to you for distribution.

Please send all comments to me at tsimpkins@trcsolutions.com. If you have any questions regarding this report, please call me at (949) 753-0101.

Sincerely,

TRC

Tim Simpkins
Technical Writer

TRC

Customer-Focused Solutions

March 10, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: FORMER CIRCLE K STORE 01106
1693 CENTRAL AVENUE
MCKINLEYVILLE, CALIFORNIA
LOP # 12698

RE: QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2005

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for Former Circle K Store 01106, located at 1693 Central Avenue, McKinleyville, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC



FOR

Anju Farfan
QMS Operations Manager

CC: Thomas Potter, SECOR International, Inc. (2 copies)

Enclosures
20-0400/01106R06.QMS



Customer-Focused Solutions

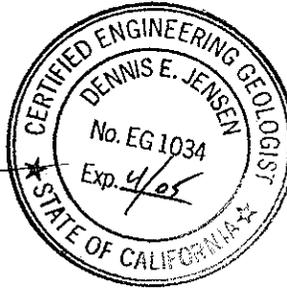
**QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2005**

FORMER CIRCLE K STORE 01106
1693 Central Avenue
McKinleyville, California
LOP # 12698

Prepared For:

Mr. Thomas H. Kosel
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:

Senior Project Geologist, Irvine Operations
March 4, 2005

LIST OF ATTACHMENTS

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Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time MTBE 8021B Concentrations vs. Time MTBE 8260B Concentrations vs. Time
Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
January 2005 through March 2005
Former Circle K Store 01106
1693 Central Avenue
McKinleyville, CA

Project Coordinator: **Thomas H. Kosel**
Telephone: **916-558-7666**

Water Sampling Contractor: **TRC**
Compiled by: **Tim Simpkins**

Date(s) of Gauging/Sampling Event: **02/01/05**

Sample Points

Groundwater wells: **5 onsite, 4 offsite** Wells gauged: **9** Wells sampled: **9**
Purging method: **Diaphragm pump/bailer**
Purge water disposal: **Onyx/Rodeo Unit 100**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**
LPH removal frequency: **n/a** Method: **n/a**
Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **4.3 feet** Maximum: **10.9 feet**
Average groundwater elevation (relative to available local datum): **143.65 feet**
Average change in groundwater elevation since previous event: **3.43 feet**
Interpreted groundwater gradient and flow direction:
 Current event: **0.02 to 0.1 ft/ft, northwest**
 Previous event: **0.02 ft/ft, northwest (11/09/04)**

Selected Laboratory Results

Wells with detected **Benzene**: **1** Wells above MCL (1.0 µg/l): **1**
 Maximum reported benzene concentration: **180 µg/l (MW-2)**

Wells with **TPH-G** **1** Maximum: **990 µg/l (MW-2)**
Wells with **MTBE** **4** Maximum: **200 µg/l (MW-2)**

Notes:

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND <	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)

ANALYTES

BTEX	=	benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TPPH	=	total purgeable petroleum hydrocarbons
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation - Measured Depth to Water + (Dp x LPH Thickness), where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.

REFERENCE

TRC began groundwater monitoring and sampling for Circle K Store 01106 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan, Inc.

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 1, 2005

Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1														
02/01/05	149.55	6.10	0.00	143.45	2.38	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-2														
02/01/05	150.14	4.30	0.00	145.84	5.55	990	--	180	58	17	70	--	200	
MW-3														
02/01/05	150.54	6.27	0.00	144.27	1.95	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-4														
02/01/05	150.66	5.05	0.00	145.61	3.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-5														
02/01/05	150.16	6.19	0.00	143.97	3.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-6														
02/01/05	150.45	4.94	0.00	145.51	2.97	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	13	
MW-7														
02/01/05	149.62	7.34	0.00	142.28	3.71	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.62	
MW-8														
02/01/05	150.49	10.90	0.00	139.59	3.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.9	
MW-9														
02/01/05	149.97	7.66	0.00	142.31	4.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through February 2005
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1														
02/16/00	149.55	4.68	0.00	144.87	--	ND	--	ND	ND	ND	ND	290	190	
06/29/00	149.55	7.22	0.00	142.33	-2.54	ND	--	6.4	ND	ND	ND	150	220	
09/18/00	149.55	9.60	0.00	139.95	-2.38	ND	--	ND	ND	ND	ND	120	96	
12/14/00	149.55	9.22	0.00	140.33	0.38	ND	--	3	ND	ND	ND	72	66	
03/07/01	149.55	6.61	0.00	142.94	2.61	ND	--	ND	ND	ND	ND	82.4	67	
06/05/01	149.55	9.18	0.00	140.37	-2.57	ND	--	ND	ND	ND	ND	7.6	3.3	
09/11/01	149.55	12.18	0.00	137.37	-3.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	46	69	
12/11/01	149.55	6.44	0.00	143.11	5.74	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	41	48	
03/12/02	149.55	4.45	0.00	145.10	1.99	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.3	5.1	
06/17/02	149.55	7.48	0.00	142.07	-3.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/10/02	149.55	10.98	0.00	138.57	-3.50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.6	
12/10/02	149.55	12.78	0.00	136.77	-1.80	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
03/11/03	149.55	4.76	0.00	144.79	8.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/10/03	149.55	5.77	0.00	143.78	-1.01	ND<50	--	0.55	0.58	ND<0.50	ND<0.50	6.4	ND<2.0	
09/10/03	149.55	9.53	0.00	140.02	-3.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/09/03	149.55	7.37	0.00	142.18	2.16	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/17/04	149.55	4.60	0.00	144.95	2.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	4.9	
06/02/04	149.55	5.74	0.00	143.81	-1.14	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	2.0	
08/03/04	149.55	8.16	0.00	141.39	-2.42	ND<50	--	ND<0.3	0.54	0.47	1.6	1.3	ND<0.5	
11/09/04	149.55	8.48	0.00	141.07	-0.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
02/01/05	149.55	6.10	0.00	143.45	2.38	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-2														
02/16/00	150.14	5.32	0.00	144.82	--	6000	--	1500	32	98	2500	22000	19000	
06/29/00	150.14	8.63	0.00	141.51	-3.31	3100	--	1200	350	26	760	3900	5200	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through February 2005
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
09/18/00	150.14	10.66	0.00	139.48	-2.03	900	--	460	2.6	ND	14	4000	3100	
12/14/00	150.14	11.25	0.00	138.89	-0.59	730	--	270	ND	ND	ND	3400	3500	
03/07/01	150.14	7.44	0.00	142.70	3.81	6040	--	637	116	87.2	439	7610	8700	
06/05/01	150.14	10.04	0.00	140.10	-2.60	2700	--	140	74	ND	37	8700	7500	
09/11/01	150.14	13.52	0.00	136.62	-3.48	ND<500	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	1900	2400	
12/11/01	150.14	6.50	0.00	143.64	7.02	640	--	310	18	15	35	6800	4900	
03/12/02	150.14	3.13	0.00	147.01	3.37	240	--	48	1.1	ND<0.50	6.2	480	560	
06/17/02	150.14	8.62	0.00	141.52	-5.49	970	--	390	140	5.8	180	1800	2400	
09/10/02	150.14	12.45	0.00	137.69	-3.83	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15	2000	
12/10/02	150.14	13.93	0.00	136.21	-1.48	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	21	
03/11/03	150.14	3.84	0.00	146.30	10.09	ND<50	--	3.2	0.85	ND<0.50	2.7	19	6.5	
06/10/03	150.14	5.95	0.00	144.19	-2.11	1200	--	310	84	25	180	1100	500	
09/10/03	150.14	9.92	0.00	140.22	-3.97	--	1300	260	17	18	34	--	1900	
12/10/03	150.14	7.38	0.00	142.76	2.54	2000	--	110	ND<13	ND<13	ND<13	1200	1700	
03/17/04	150.14	3.28	0.00	146.86	4.10	120	--	6.5	ND<0.50	ND<0.50	ND<0.50	150	150	
06/02/04	150.14	6.36	0.00	143.78	-3.08	430	--	20	7.9	ND<2.5	10	370	380	
08/03/04	150.14	8.83	0.00	141.31	-2.47	160	--	0.34	0.50	ND<0.3	0.66	160	210	
11/09/04	150.14	9.85	0.00	140.29	-1.02	86	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	130	
02/01/05	150.14	4.30	0.00	145.84	5.55	990	--	180	58	17	70	--	200	
MW-3														
02/16/00	150.54	4.83	0.00	145.71	--	ND	--	ND	ND	ND	ND	5.2	3.1	
06/29/00	150.54	7.83	0.00	142.71	-3.00	ND	--	ND	ND	ND	ND	7.9	7.1	
09/18/00	150.54	10.73	0.00	139.81	-2.90	ND	--	ND	ND	ND	ND	65	37	
12/14/00	150.54	10.30	0.00	140.24	0.43	ND	--	5	ND	ND	ND	89	78	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through February 2005
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
03/07/01	150.54	6.55	0.00	143.99	3.75	ND	--	ND	ND	ND	ND	14.7	29	
06/05/01	150.54	9.38	0.00	141.16	-2.83	ND	--	ND	ND	ND	ND	10	15	
09/11/01	150.54	13.08	0.00	137.46	-3.70	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	33	75	
12/11/01	150.54	4.66	0.00	145.88	8.42	ND<50	--	0.67	ND<0.50	ND<0.50	ND<0.50	120	110	
03/12/02	150.54	2.39	0.00	148.15	2.27	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	18	
06/17/02	150.54	7.61	0.00	142.93	-5.22	ND<50	--	0.50	ND<0.50	ND<0.50	ND<0.50	32	21	
09/10/02	150.54	11.90	0.00	138.64	-4.29	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	53	70	
12/10/02	150.54	12.74	0.00	137.80	-0.84	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.6	6.5	
03/11/03	150.54	3.74	0.00	146.80	9.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/10/03	150.54	5.35	0.00	145.19	-1.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
09/10/03	150.54	9.67	0.00	140.87	-4.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	13	
12/09/03	150.54	6.91	0.00	143.63	2.76	64	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	62	77	
03/17/04	150.54	3.00	0.00	147.54	3.91	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
06/02/04	150.54	5.72	0.00	144.82	-2.72	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.7	7.7	
08/03/04	150.54	3.19	0.00	147.35	2.53	81	--	ND<0.3	ND<0.3	0.37	0.83	8.6	13	
11/09/04	150.54	8.22	0.00	142.32	-5.03	52	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	41	
02/01/05	150.54	6.27	0.00	144.27	1.95	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-4														
02/16/00	150.66	4.24	0.00	146.42	--	ND	--	ND	ND	ND	ND	13	8.7	
06/29/00	150.66	7.15	0.00	143.51	-2.91	ND	--	ND	ND	ND	ND	7.3	7	
09/18/00	150.66	9.90	0.00	140.76	-2.75	ND	--	ND	ND	ND	ND	25	18	
12/14/00	150.66	9.09	0.00	141.57	0.81	ND	--	ND	ND	ND	ND	ND	9.6	
03/07/01	150.66	6.45	0.00	144.21	2.64	ND	--	ND	ND	ND	ND	8.61	9.0	
06/05/01	150.66	9.09	0.00	141.57	-2.64	ND	--	ND	ND	ND	ND	ND	ND	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through February 2005
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-4 continued														
09/11/01	150.66	12.05	0.00	138.61	-2.96	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	18	26	
12/11/01	150.66	5.73	0.00	144.93	6.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.8	5.3	
03/12/02	150.66	3.96	0.00	146.70	1.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.8	12	
06/17/02	150.66	7.51	0.00	143.15	-3.55	--	--	--	--	--	--	--	--	SAMPLED SEMI-ANNUALLY
09/10/02	150.66	11.08	0.00	139.58	-3.57	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.3	6.2	
12/10/02	150.66	12.01	0.00	138.65	-0.93	--	--	--	--	--	--	--	--	SAMPLED SEMI-ANNUALLY
03/11/03	150.66	4.59	0.00	146.07	7.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	MONITORED/SAMPLED SEMI-ANNUALLY
06/10/03	150.66	--	--	--	--	--	--	--	--	--	--	--	--	
09/10/03	150.66	9.56	0.00	141.10	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	Monitored Only
12/09/03	150.66	7.40	0.00	143.26	2.16	--	--	--	--	--	--	--	--	
03/17/04	150.66	3.82	0.00	146.84	3.58	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
06/02/04	150.66	5.97	0.00	144.69	-2.15	--	--	--	--	--	--	--	--	Monitored Only
08/03/04	150.66	8.56	0.00	142.10	-2.59	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	
11/09/04	150.66	8.14	0.00	142.52	0.42	--	--	--	--	--	--	--	--	Sampled semi-annually
02/01/05	150.66	5.05	0.00	145.61	3.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-5														
12/14/00	150.16	11.11	0.00	139.05	--	ND	--	2.4	ND	ND	ND	40	49	
03/07/01	150.16	8.50	0.00	141.66	2.61	ND	--	ND	ND	ND	ND	15.7	15	
06/05/01	150.16	10.78	0.00	139.38	-2.28	ND	--	ND	ND	ND	ND	ND	ND	
09/11/01	150.16	13.24	0.00	136.92	-2.46	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	38	52	
12/11/01	150.16	8.63	0.00	141.53	4.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15	6.6	
03/12/02	150.16	6.25	0.00	143.91	2.38	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.5	3.2	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through February 2005
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-5 continued														
06/17/02	150.16	8.86	0.00	141.30	-2.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/10/02	150.16	11.85	0.00	138.31	-2.99	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<0.50	
12/10/02	150.16	13.43	0.00	136.73	-1.58	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
03/11/03	150.16	6.01	0.00	144.15	7.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/10/03	150.16	6.54	0.00	143.62	-0.53	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
09/10/03	150.16	10.47	0.00	139.69	-3.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/09/03	150.16	3.49	0.00	146.67	6.98	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/17/04	150.16	4.38	0.00	145.78	-0.89	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
06/02/04	150.16	6.75	0.00	143.41	-2.37	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
08/03/04	150.16	9.21	0.00	140.95	-2.46	ND<50	--	ND<0.3	ND<0.3	ND<0.3	0.77	ND<1	ND<0.5	
11/09/04	150.16	10.00	0.00	140.16	-0.79	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
02/01/05	150.16	6.19	0.00	143.97	3.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-6														
12/14/00	150.45	10.54	0.00	139.91	--	110	--	44	ND	ND	ND	760	1100	
03/07/01	150.45	6.76	0.00	143.69	3.78	62.5	--	ND	ND	ND	ND	498	550	
06/05/01	150.45	9.94	0.00	140.51	-3.18	110	--	ND	ND	ND	ND	790	680	
09/11/01	150.45	12.75	0.00	137.70	-2.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	410	590	
12/11/01	150.45	6.29	0.00	144.16	6.46	ND<50	--	11	ND<0.50	ND<0.50	ND<0.50	400	390	
03/12/02	150.45	4.18	0.00	146.27	2.11	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	150	150	
06/17/02	150.45	7.30	0.00	143.15	-3.12	ND<50	--	2.6	ND<0.50	ND<0.50	ND<0.50	100	120	
09/10/02	150.45	11.62	0.00	138.83	-4.32	96	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	150	190	
12/10/02	150.45	--	--	--	--	--	--	--	--	--	--	--	--	INACCESSIBLE
03/11/03	150.45	--	--	--	--	--	--	--	--	--	--	--	--	INACCESSIBLE
06/10/03	150.45	5.70	0.00	144.75	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	82	46	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through February 2005
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued														
09/10/03	150.45	9.36	0.00	141.09	-3.66	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	50	
12/09/03	150.45	7.06	0.00	143.39	2.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	28	33	
03/17/04	150.45	4.05	0.00	146.40	3.01	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	13	
06/02/04	150.45	5.50	0.00	144.95	-1.45	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	14	15	
08/03/04	150.45	8.01	0.00	142.44	-2.51	ND<50	--	ND<0.3	0.55	ND<0.3	1.2	22	21	
11/09/04	150.45	7.91	0.00	142.54	0.10	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	36	
02/01/05	150.45	4.94	0.00	145.51	2.97	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	13	
MW-7														
12/14/00	149.62	12.05	0.00	137.57	--	ND	--	ND	ND	ND	ND	10	9	
03/07/01	149.62	9.30	0.00	140.32	2.75	ND	--	ND	ND	ND	ND	6.35	12	
06/05/01	149.62	11.78	0.00	137.84	-2.48	ND	--	ND	ND	ND	ND	9.5	6.7	
09/11/01	149.62	13.90	0.00	135.72	-2.12	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.8	10	
12/11/01	149.62	9.56	0.00	140.06	4.34	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	9.8	
03/12/02	149.62	7.24	0.00	142.38	2.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.2	4.9	
06/17/02	149.62	10.30	0.00	139.32	-3.06	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.1	4.3	
09/10/02	149.62	12.89	0.00	136.73	-2.59	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.6	5.1	
12/10/02	149.62	--	--	--	--	--	--	--	--	--	--	--	--	INACCESSIBLE
03/11/03	149.62	--	--	--	--	--	--	--	--	--	--	--	--	INACCESSIBLE
06/10/03	149.62	8.27	0.00	141.35	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
09/10/03	149.62	11.85	0.00	137.77	-3.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.1	
12/10/03	149.62	9.94	0.00	139.68	1.91	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.6	
03/17/04	149.62	8.33	0.00	141.29	1.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
06/02/04	149.62	10.14	0.00	139.48	-1.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.8	
08/03/04	149.62	12.53	0.00	137.09	-2.39	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through February 2005
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-7 continued														
11/09/04	149.62	11.05	0.00	138.57	1.48	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.8	
02/01/05	149.62	7.34	0.00	142.28	3.71	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.62	
MW-8														
12/14/00	150.49	12.83	0.00	137.66	--	ND	--	ND	ND	ND	ND	ND	ND	
03/07/01	150.49	9.88	0.00	140.61	2.95	ND	--	ND	ND	ND	ND	ND	ND	
06/05/01	150.49	12.57	0.00	137.92	-2.69	ND	--	ND	ND	ND	ND	ND	ND	
09/11/01	150.49	14.61	0.00	135.88	-2.04	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
12/11/01	150.49	9.80	0.00	140.69	4.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
03/12/02	150.49	7.34	0.00	143.15	2.46	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
06/17/02	150.49	11.15	0.00	139.34	-3.81	--	--	--	--	--	--	--	--	SAMPLED SEMI-ANNUALLY
09/10/02	150.49	13.75	0.00	136.74	-2.60	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.2	
12/10/02	150.49	14.93	0.00	135.56	-1.18	--	--	--	--	--	--	--	--	SAMPLED SEMI-ANNUALLY
03/11/03	150.49	7.96	0.00	142.53	6.97	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/10/03	150.49	--	--	--	--	--	--	--	--	--	--	--	--	MONITORED/SAMPLED SEMI-ANNUALLY
09/10/03	150.49	12.70	0.00	137.79	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	Monitored Only
12/09/03	150.49	8.56	0.00	141.93	4.14	--	--	--	--	--	--	--	--	Monitored Only
03/17/04	150.49	9.23	0.00	141.26	-0.67	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	4.7	
06/02/04	150.49	12.02	0.00	138.47	-2.79	--	--	--	--	--	--	--	--	
08/03/04	150.49	14.65	0.00	135.84	-2.63	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	0.62	
11/09/04	150.49	14.13	0.00	136.36	0.52	--	--	--	--	--	--	--	--	Sampled semi-annually
02/01/05	150.49	10.90	0.00	139.59	3.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.9	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through February 2005
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-9 continued														
12/14/00	149.97	11.60	0.00	138.37	--	ND	--	ND	ND	ND	ND	ND	3.1	
03/07/01	149.97	8.71	0.00	141.26	2.89	ND	--	ND	ND	ND	ND	6.22	4.4	
06/05/01	149.97	11.32	0.00	138.65	-2.61	ND	--	ND	ND	ND	ND	8.8	7.9	
09/11/01	149.97	13.29	0.00	136.68	-1.97	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.0	10	
12/11/01	149.97	9.10	0.00	140.87	4.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.1	6.6	
03/12/02	149.97	6.35	0.00	143.62	2.75	ND<50	--	ND<0.50	ND<0.50	ND<0.50	0.88	5.0	5.7	
06/17/02	149.97	9.75	0.00	140.22	-3.40	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.9	8.1	
09/10/02	149.97	12.40	0.00	137.57	-2.65	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.4	9.2	
12/10/02	149.97	13.63	0.00	136.34	-1.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
03/11/03	149.97	6.75	0.00	143.22	6.88	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/10/03	149.97	7.93	0.00	142.04	-1.18	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
09/10/03	149.97	11.35	0.00	138.62	-3.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.5	
12/09/03	149.97	9.15	0.00	140.82	2.20	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/17/04	149.97	6.90	0.00	143.07	2.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
06/02/04	149.97	9.60	0.00	140.37	-2.70	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	0.77	
08/03/04	149.97	7.10	0.00	142.87	2.50	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	
11/09/04	149.97	11.85	0.00	138.12	-4.75	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.96	
02/01/05	149.97	7.66	0.00	142.31	4.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC (µg/l)	EDB (µg/l)	NO3 (mg/l)	Sulfate (mg/l)	Alkalinity (µg/l)	Iron (µg/l)	Carbon-Dioxide (µg/ml)	IAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Methanol 8015B (mg/l)	Calcium (mg/l)	TPH-Crude (µg/l)	Fe+2 (mg/l)
MW-1															
02/16/00	--	ND	--	--	--	--	--	32	ND	ND	ND	ND	--	--	--
06/29/00	--	ND	--	--	--	--	--	39	ND	ND	ND	ND	--	--	--
09/18/00	--	ND	--	--	--	--	--	14	ND	ND	ND	ND	--	--	--
12/14/00	--	ND	--	--	--	--	--	9.3	ND	ND	ND	ND	--	--	--
03/07/01	--	ND	--	--	--	--	--	11	ND	ND	ND	ND	--	--	--
06/05/01	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	--	ND<2.0	--	--	--	--	--	9.2	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	--	ND<2.0	--	--	--	--	--	7.6	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	--	ND<0.50	--	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
12/10/02	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	0.120	--	--	--
03/11/03	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/10/03	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	--	ND<2.0	--	0.009	52	0.28	24	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	--	ND<0.20
12/09/03	ND<2.0	ND<2.0	34	9.3	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<10	--	--	ND<0.20
03/17/04	ND<2.0	ND<2.0	31	10	--	--	35	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	--	--	ND<0.20
06/02/04	ND<0.50	ND<0.50	32	12	--	--	49	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	--	--	ND<0.20
08/03/04	ND<0.5	ND<0.5	29.9	7.9	54000	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--	1.7
11/09/04	--	--	28	--	--	--	19	--	--	--	--	--	--	--	ND<0.010
02/01/05	--	--	33	12	--	--	57	--	--	--	--	--	--	--	0.095
MW-2															
02/16/00	--	ND	--	--	--	--	--	5200	ND	ND	ND	ND	--	--	--
06/29/00	--	ND	--	--	--	--	--	1300	ND	ND	ND	ND	--	--	--
09/18/00	--	ND	--	--	--	--	--	770	ND	ND	ND	ND	--	--	--
12/14/00	--	ND	--	--	--	--	--	850	260	ND	ND	ND	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC (µg/l)	EDB (µg/l)	NO3 (mg/l)	Sulfate (mg/l)	Alka-linity (µg/l)	Iron (µg/l)	Carbon-Dioxide (µg/ml)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIFE 8260B (µg/l)	ETBE 8260B (µg/l)	Methanol 8015B (mg/l)	Calcium (mg/l)	TPH-Crude (µg/l)	Fe+2 (mg/l)
MW-2 continued															
03/07/01	--	ND	--	--	--	--	--	2400	ND	ND	ND	ND	--	--	--
06/05/01	--	ND	--	--	--	--	--	2100	ND	ND	ND	ND	--	--	--
09/11/01	--	ND<20	--	--	--	--	--	500	ND<200	ND<20	ND<20	ND<0.500	--	--	--
12/11/01	--	ND<40	--	--	--	--	--	1300	ND<400	ND<40	ND<40	ND<0.500	--	--	--
03/12/02	--	ND<200	--	--	--	--	--	ND<200	ND<10000	ND<200	ND<200	ND<0.100	--	--	--
06/17/02	--	ND<20	--	--	--	--	--	490	ND<200	ND<20	ND<20	0.31	--	--	--
09/10/02	--	ND<50	--	--	--	--	--	320	ND<500	ND<50	ND<50	ND<0.500	--	--	--
12/10/02	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
03/11/03	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/10/03	--	ND<2.0	--	--	--	--	--	110	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	--	ND<40	--	0.0059	59	ND<0.2	28	420	ND<2000	ND<40	ND<40	ND<0.01	--	--	--
12/10/03	ND<20	ND<20	9.9	8.5	--	--	--	370	ND<1000	ND<20	ND<20	88.2	--	--	ND<0.20
03/17/04	ND<2.0	ND<2.0	25	16	--	--	38	32	ND<100	ND<2.0	ND<2.0	ND<0.50	--	--	ND<0.20
06/02/04	ND<2.5	ND<2.5	14	9.6	--	--	46	61	32	ND<5.0	ND<2.5	ND<0.50	--	--	ND<0.20
08/03/04	ND<0.5	ND<0.5	8.56	7.7	87000	--	--	18	36	ND<1	ND<1	--	--	--	1.7
11/09/04	--	--	45	--	--	--	24	--	--	--	--	--	--	--	ND<0.010
02/01/05	--	--	18	11	--	--	73	--	--	--	--	--	--	--	0.027
MW-3															
02/16/00	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/29/00	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/18/00	--	ND	--	--	--	--	--	6.2	ND	ND	ND	ND	--	--	--
12/14/00	--	ND	--	--	--	--	--	15	ND	ND	ND	ND	--	--	--
03/07/01	--	ND	--	--	--	--	--	5.4	ND	ND	ND	ND	--	--	--
06/05/01	--	ND	--	--	--	--	--	2.8	ND	ND	ND	ND	--	--	--
09/11/01	--	ND<2.0	--	--	--	--	--	8.6	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	--	ND<2.0	--	--	--	--	--	23	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC (µg/l)	EDB (µg/l)	NO3 (mg/l)	Sulfate (mg/l)	Alka-linity (µg/l)	Iron (µg/l)	Carbon-Dioxide (µg/ml)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Methanol 8015B (mg/l)	Calcium (mg/l)	TPH-Crude (µg/l)	Fe+2 (mg/l)
MW-3 continued															
03/12/02	--	ND<2.0	--	--	--	--	--	3.6	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	--	ND<2.0	--	--	--	--	--	6.1	ND<20	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	--	ND<0.50	--	--	--	--	--	13	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
12/10/02	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	0.130	--	--	--
03/11/03	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/10/03	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	--	ND<2.0	--	0.0079	26	5.4	26	2.3	ND<100	ND<2.0	ND<2.0	ND<0.01	--	--	--
12/09/03	ND<2.0	ND<2.0	47	7.1	--	--	--	15	ND<100	ND<2.0	ND<2.0	ND<10	--	--	ND<0.20
03/17/04	ND<2.0	ND<2.0	68	20	--	--	87	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	--	--	ND<0.20
06/02/04	ND<0.50	ND<0.50	47	8.4	--	--	88	1.4	ND<5.0	ND<1.0	ND<0.50	ND<0.50	--	--	ND<0.20
08/03/04	ND<0.5	ND<0.5	37.7	5.2	43000	--	--	1.8	ND<12	ND<1	ND<1	--	--	--	0.34
11/09/04	--	--	3.8	--	--	--	26	--	--	--	--	--	--	--	ND<0.010
02/01/05	--	--	65	20	--	--	120	--	--	--	--	--	--	--	0.068
MW-4															
02/16/00	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/29/00	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/18/00	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
12/14/00	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
03/07/01	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/05/01	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	--	ND<2.0	--	--	--	--	--	3.2	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	--	ND<2.0	--	--	--	--	--	2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	--	ND<0.50	--	--	--	--	--	0.72	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
03/11/03	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	ND<500	ND<0.500	--
09/10/03	--	ND<2.0	--	0.005	36	9.7	28	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC (µg/l)	EDB (µg/l)	NO3 (mg/l)	Sulfate (mg/l)	Alka-linity (µg/l)	Iron (µg/l)	Carbon-Dioxide (µg/ml)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Methanol 8015B (mg/l)	Calcium (mg/l)	TPH-Crude (µg/l)	Fe+2 (mg/l)
MW-4 continued															
03/17/04	ND<2.0	ND<2.0	70	4.9	--	--	80	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	--	--	ND<0.20
08/03/04	ND<0.5	ND<0.5	69.0	4.4	39000	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--	2.2
02/01/05	--	--	64	5.5	--	--	120	--	--	--	--	--	--	--	0.077
MW-5															
12/14/00	--	ND	--	--	--	--	--	10	ND	ND	ND	ND	--	--	--
03/07/01	--	ND	--	--	--	--	--	2.7	ND	ND	ND	ND	--	--	--
06/05/01	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	--	ND<2.0	--	--	--	--	--	6.9	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	--	ND<0.50	--	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
12/10/02	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
03/11/03	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/10/03	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	--	ND<2.0	--	0.0088	26	13	20	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	--	--
12/09/03	ND<2.0	ND<2.0	30	7.3	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<10	--	--	ND<0.20
03/17/04	ND<2.0	ND<2.0	19	8.6	--	--	39	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	--	--	ND<0.20
06/02/04	ND<0.50	ND<0.50	25	7.9	--	--	55	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	--	--	ND<0.20
08/03/04	ND<0.5	ND<0.5	32.1	7.2	64000	--	--	ND<1	ND<12	ND<1	ND<1	--	--	5	5
11/09/04	--	--	29	--	--	--	23	--	--	--	--	--	--	--	ND<0.010
02/01/05	--	--	24	9.5	--	--	37	--	--	--	--	--	--	--	0.10
MW-6															
12/14/00	--	ND	--	--	--	--	--	180	ND	ND	ND	ND	--	--	--
03/07/01	--	ND	--	--	--	--	--	93	ND	ND	ND	ND	--	--	--
06/05/01	--	ND	--	--	--	--	--	120	ND	ND	ND	ND	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC (µg/l)	EDB (µg/l)	NO3 (mg/l)	Sulfate (mg/l)	Alka-linity (µg/l)	Iron (µg/l)	Carbon-Dioxide (µg/ml)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Methanol 8015B (mg/l)	Calcium (mg/l)	TPH-Crude (µg/l)	Fe+2 (mg/l)
MW-6 continued															
09/11/01	--	ND<10	--	--	--	--	--	100	ND<100	ND<10	ND<10	ND<0.500	--	--	--
12/11/01	--	ND<2.0	--	--	--	--	--	69	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	--	ND<20	--	--	--	--	--	27	ND<1000	ND<20	ND<20	ND<0.100	--	--	--
06/17/02	--	ND<2.0	--	--	--	--	--	21	ND<20	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	--	ND<0.50	--	--	--	--	--	30	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
06/10/03	--	ND<2.0	--	--	--	--	--	7.5	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	--	ND<2.0	--	0.024	100	0.41	25	8.4	ND<100	ND<2.0	ND<2.0	ND<0.01	--	--	--
12/09/03	ND<2.0	ND<2.0	ND<1.0	31	--	--	--	6.3	ND<100	ND<2.0	ND<2.0	ND<10	--	--	ND<0.20
03/17/04	ND<2.0	ND<2.0	2.4	34	--	--	72	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	--	--	ND<0.20
06/02/04	ND<0.50	ND<0.50	14	34	--	--	140	2.1	ND<5.0	ND<1.0	ND<0.50	ND<0.50	--	--	ND<0.20
08/03/04	ND<0.5	ND<0.5	47.1	6.6	36000	--	--	2.9	ND<12	ND<1	ND<1	--	--	--	1.8
11/09/04	--	--	1.2	--	--	--	29	--	--	--	--	--	--	--	ND<0.010
02/01/05	--	--	ND<1.0	35	--	--	150	--	--	--	--	--	--	--	0.81
MW-7															
12/14/00	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
03/07/01	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/05/01	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	--	ND<0.50	--	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
06/10/03	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	--	ND<2.0	--	0.025	100	8.1	33	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	--	--
12/10/03	ND<2.0	ND<2.0	ND<1.0	28	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	0.0846	--	--	1.9
03/17/04	ND<2.0	ND<2.0	ND<1.0	24	--	--	110	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	--	--	2.0

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Former Circle K Store 01106

Date Sampled	EDC (µg/l)	EDB (µg/l)	NO3 (mg/l)	Sulfate (mg/l)	Alka-linity (µg/l)	Iron (µg/l)	Carbon-Dioxide (µg/ml)	IAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Methanol 8015B (mg/l)	Calcium (mg/l)	TPH-Crude (µg/l)	Fe+2 (mg/l)
MW-7 continued															
06/02/04	ND<0.50	ND<0.50	ND<1	110	--	--	100	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	--	--	ND<0.20
08/03/04	ND<0.5	ND<0.5	24.6	8.7	85000	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--	2.1
11/09/04	--	--	ND<1.0	270	--	--	21	--	--	--	--	--	--	--	ND<0.010
02/01/05	--	--	1.4	150	--	--	120	--	--	--	--	--	--	--	0.30
MW-8															
12/14/00	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
03/07/01	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/05/01	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	--	ND<0.50	--	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
03/11/03	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--	--
09/10/03	--	ND<2.0	--	0.017	57	2.3	23	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	--	--
03/17/04	ND<2.0	ND<2.0	6.1	16	--	--	49	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	--	--	ND<0.20
08/03/04	ND<0.5	ND<0.5	2.7	22	31000	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--	23
02/01/05	--	--	6.6	20	--	--	92	--	--	--	--	--	--	--	0.051
MW-9															
12/14/00	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
03/07/01	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/05/01	--	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	--	ND<2.0	--	--	--	--	--	3.1	ND<20	ND<2.0	ND<2.0	0.16	--	--	--
09/10/02	--	ND<0.50	--	--	--	--	--	1.0	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--

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Former Circle K Store 01106

Date Sampled	EDC (µg/l)	EDB (µg/l)	NO3 (mg/l)	Sulfate (mg/l)	Alka-linity (µg/l)	Iron (µg/l)	Carbon-Dioxide (µg/ml)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Methanol 8015B (mg/l)	Calcium (mg/l)	TPH-Crude (µg/l)	Fe+2 (mg/l)
MW-9 continued															
12/10/02	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
03/11/03	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/10/03	--	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	--	ND<2.0	--	0.025	78	9.5	26	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	--	--
12/09/03	ND<2.0	ND<2.0	10	26	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<10	--	--	ND<0.20
03/17/04	ND<2.0	ND<2.0	18	25	--	--	79	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	--	--	ND<0.20
06/02/04	ND<0.50	ND<0.50	15	26	--	--	160	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	--	--	ND<0.20
08/03/04	ND<0.5	ND<0.5	25.1	8.2	32000	--	--	ND<1	ND<12	ND<1	ND<1	--	--	--	30
11/09/04	--	--	8.3	--	--	--	24	--	--	--	--	--	--	--	ND<0.010
02/01/05	--	--	9.7	27	--	--	100	--	--	--	--	--	--	--	0.083

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Methane (µg/ml)	COD (mg/l)	Mang (mg/l)	Sulfide (mg/l)	Carbonate Hydroxide (mg/l)	Ethanol 8260B (µg/l)	BOD (mg/l)	Nitrate (µg/l)	B- Alkalinity (mg/l)	Total Alkalinity (mg/l)	1,2 DCE (µg/l)	D- Manganese (µg/l)
MW-1												
02/16/00	--	--	--	--	--	ND	--	--	--	--	ND	--
06/29/00	--	--	--	--	--	ND	--	--	--	--	ND	--
09/18/00	--	--	--	--	--	ND	--	--	--	--	ND	--
12/14/00	--	--	--	--	--	ND	--	--	--	--	ND	--
03/07/01	--	--	--	--	--	ND	--	--	--	--	ND	--
06/05/01	--	--	--	--	--	ND	--	--	--	--	ND	--
09/11/01	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
12/11/01	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
03/12/02	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
06/17/02	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
09/10/02	--	--	--	--	--	ND<50000	--	--	--	--	ND<0.50	--
12/10/02	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
03/11/03	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
06/10/03	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
09/10/03	ND<0.010	ND<0.005	--	ND<0.001	--	ND<500	ND<0.002	44	--	--	ND<2.0	0.041
12/09/03	--	ND<5.0	0.72	ND<1.0	ND<5.0	ND<500	ND<6.0	--	36	36	--	--
03/17/04	ND<0.010	--	0.75	ND<1.0	ND<5.0	ND<500	--	--	25	25	--	--
06/02/04	ND<0.010	ND<5	ND<0.0050	ND<1	ND<5.0	ND<50	ND<6	--	15	15	--	--
08/03/04	ND<0.001	32	ND<0.01	ND<5	--	ND<800	--	--	--	--	--	--
11/09/04	ND<0.010	5.7	1.3	--	ND<5.0	--	--	--	19	19	--	--
02/01/05	ND<0.001	ND<5.0	0.64	--	ND<5.0	--	ND<6	--	24	24	--	--
MW-2												
02/16/00	--	--	--	--	--	ND	--	--	--	--	ND	--
06/29/00	--	--	--	--	--	ND	--	--	--	--	ND	--
09/18/00	--	--	--	--	--	ND	--	--	--	--	ND	--
12/14/00	--	--	--	--	--	ND	--	--	--	--	ND	--

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Methane (µg/ml)	COD (mg/l)	Mang (mg/l)	Sulfide (mg/l)	Carbonate Hydroxide (mg/l)	Ethanol 8260B (µg/l)	BOD (mg/l)	Nitrate (µg/l)	B-Alkalinity (mg/l)	Total Alkalinity (mg/l)	1,2 DCE (µg/l)	D-Manganese (µg/l)
MW-2 continued												
03/07/01	--	--	--	--	--	ND	--	--	--	--	ND	--
06/05/01	--	--	--	--	--	ND	--	--	--	--	ND	--
09/11/01	--	--	--	--	--	ND<5000000	--	--	--	--	ND<20	--
12/11/01	--	--	--	--	--	ND<10000000	--	--	--	--	ND<40	--
03/12/02	--	--	--	--	--	ND<50000000	--	--	--	--	ND<200	--
06/17/02	--	--	--	--	--	ND<5000000	--	--	--	--	ND<20	--
09/10/02	--	--	--	--	--	ND<5000000	--	--	--	--	ND<50	--
12/10/02	--	--	--	--	--	ND<5000000	--	--	--	--	ND<2.0	--
03/11/03	--	--	--	--	--	ND<5000000	--	--	--	--	ND<2.0	--
06/10/03	--	--	--	--	--	ND<5000000	--	--	--	--	ND<2.0	--
09/10/03	ND<0.010	0.65	--	ND<0.001	--	ND<10000	0.006	6.9	--	--	ND<40	0.93
12/10/03	--	19	0.96	ND<1.0	--	ND<5000	ND<6.0	--	62	62	--	--
03/17/04	ND<0.010	--	0.46	ND<1.0	ND<5.0	ND<500	--	--	27	27	--	--
06/02/04	ND<0.010	ND<5	ND<0.0050	ND<1	ND<5.0	ND<250	ND<6	--	34	34	--	--
08/03/04	ND<0.001	ND<20	ND<0.01	ND<5	--	ND<800	--	--	--	--	--	--
11/09/04	ND<0.010	15	1.5	--	ND<5.0	--	--	--	81	81	--	--
02/01/05	ND<0.001	ND<5.0	0.14	--	ND<5.0	--	ND<6	--	33	33	--	--
MW-3												
02/16/00	--	--	--	--	--	ND	--	--	--	--	ND	--
06/29/00	--	--	--	--	--	ND	--	--	--	--	ND	--
09/18/00	--	--	--	--	--	ND	--	--	--	--	ND	--
12/14/00	--	--	--	--	--	ND	--	--	--	--	ND	--
03/07/01	--	--	--	--	--	ND	--	--	--	--	ND	--
06/05/01	--	--	--	--	--	ND	--	--	--	--	ND	--
09/11/01	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
12/11/01	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Methane (µg/ml)	COD (mg/l)	Mang (mg/l)	Sulfide (mg/l)	Carbonate (mg/l)	Hydroxide (mg/l)	Ethanol 8260B (µg/l)	BOD (mg/l)	Nitrate (µg/l)	B-Alkalinity (mg/l)	Total Alkalinity (mg/l)	1,2 DCE (µg/l)	D-Manganese (µg/l)
MW-3 continued													
03/12/02	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
06/17/02	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
09/10/02	--	--	--	--	--	--	ND<50000	--	--	--	--	ND<0.50	--
12/10/02	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
03/11/03	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
06/10/03	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
09/10/03	ND<0.010	0.05	--	ND<0.001	--	--	ND<500	ND<0.02	48	--	--	ND<2.0	0.076
12/09/03	--	13	0.20	ND<1.0	ND<5.0	ND<5.0	ND<500	ND<6.0	--	26	26	--	--
03/17/04	ND<0.010	--	0.10	ND<1.0	ND<5.0	ND<0.005	ND<500	--	--	10	10	--	--
06/02/04	ND<0.010	ND<5	0.0068	ND<1	ND<5.0	ND<5.0	ND<50	ND<6	--	19	19	--	--
08/03/04	ND<0.001	50	ND<0.01	ND<0.5	--	--	ND<800	--	--	--	--	--	--
11/09/04	ND<0.010	ND<5.0	0.27	--	ND<5.0	ND<5.0	--	--	--	19	19	--	--
02/01/05	ND<0.001	10	0.040	--	ND<5.0	ND<5.0	--	ND<6	--	ND<5.0	ND<5.0	--	--
MW-4													
02/16/00	--	--	--	--	--	--	ND	--	--	--	--	ND	--
06/29/00	--	--	--	--	--	--	ND	--	--	--	--	ND	--
09/18/00	--	--	--	--	--	--	ND	--	--	--	--	ND	--
12/14/00	--	--	--	--	--	--	ND	--	--	--	--	ND	--
03/07/01	--	--	--	--	--	--	ND	--	--	--	--	ND	--
06/05/01	--	--	--	--	--	--	ND	--	--	--	--	ND	--
09/11/01	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
12/11/01	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
03/12/02	--	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
09/10/02	--	--	--	--	--	--	ND<50000	--	--	--	--	ND<0.50	--
03/11/03	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--
09/10/03	ND<0.010	0.048	--	ND<0.001	--	--	ND<500	ND<0.02	64	--	--	ND<2.0	0.13

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Methane (µg/ml)	COD (mg/l)	Mang (mg/l)	Sulfide (mg/l)	Carbonate Hydroxide (mg/l)	Ethanol 8260B (µg/l)	BOD (mg/l)	Nitrate (µg/l)	B- Alkalinity (mg/l)	Total Alkalinity (mg/l)	1,2 DCE (µg/l)	D- Manganese (µg/l)
MW-4 continued												
03/17/04	ND<0.010	--	0.14	ND<1.0	ND<5.0	ND<500	--	--	30	30	--	--
08/03/04	ND<0.001	25	ND<0.01	ND<5	--	ND<800	--	--	--	--	--	--
02/01/05	ND<0.001	ND<5.0	0.24	--	ND<5.0	--	ND<6	--	43	43	--	--
MW-5												
12/14/00	--	--	--	--	--	ND	--	--	--	--	ND	--
03/07/01	--	--	--	--	--	ND	--	--	--	--	ND	--
06/05/01	--	--	--	--	--	ND	--	--	--	--	ND	--
09/11/01	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
12/11/01	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
03/12/02	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
06/17/02	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
09/10/02	--	--	--	--	--	ND<50000	--	--	--	--	ND<0.50	--
12/10/02	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
03/11/03	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
06/10/03	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
09/10/03	ND<0.010	0.029	--	ND<0.001	--	ND<500	ND<0.02	23	--	--	ND<2.0	0.29
12/09/03	--	ND<5.0	0.28	ND<1.0	ND<5.0	ND<500	ND<6.0	--	52	52	--	--
03/17/04	ND<0.010	--	0.22	ND<1.0	ND<5.0	ND<500	--	--	15	15	--	--
06/02/04	ND<0.010	ND<5	ND<0.0050	ND<1	ND<5.0	ND<50	ND<6	--	29	29	--	--
08/03/04	ND<0.001	36	ND<0.01	ND<5	--	ND<800	--	--	--	--	--	--
11/09/04	ND<0.010	ND<5.0	0.51	--	ND<5.0	--	--	--	39	39	--	--
02/01/05	ND<0.001	ND<5.0	0.21	--	ND<5.0	--	ND<6	--	19	19	--	--
MW-6												
12/14/00	--	--	--	--	--	ND	--	--	--	--	ND	--
03/07/01	--	--	--	--	--	ND	--	--	--	--	ND	--
06/05/01	--	--	--	--	--	ND	--	--	--	--	ND	--

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Methane (µg/ml)	COD (mg/l)	Mang (mg/l)	Sulfide (mg/l)	Carbonate Hydroxide (mg/l)	Ethanol 8260B (µg/l)	BOD (mg/l)	Nitrate (µg/l)	B- Alkalinity (mg/l)	Total Alkalinity (mg/l)	1,2 DCE (µg/l)	D- Manganese (µg/l)
MW-6 continued												
09/11/01	--	--	--	--	--	ND<2500000	--	--	--	--	ND<10	--
12/11/01	--	--	--	--	--	ND<5000000	--	--	--	--	ND<2.0	--
03/12/02	--	--	--	--	--	ND<5000000	--	--	--	--	ND<20	--
06/17/02	--	--	--	--	--	ND<5000000	--	--	--	--	ND<2.0	--
09/10/02	--	--	--	--	--	ND<5000000	--	--	--	--	ND<0.50	--
06/10/03	--	--	--	--	--	ND<5000000	--	--	--	--	ND<2.0	--
09/10/03	ND<0.010	0.015	--	ND<0.001	--	ND<500	ND<0.006	2.5	--	--	ND<2.0	0.74
12/09/03	--	8.2	1.2	ND<1.0	ND<5.0	ND<500	ND<6.0	--	83	83	--	--
03/17/04	ND<0.010	--	1.6	ND<1.0	ND<5.0	ND<500	--	--	96	96	--	--
06/02/04	ND<0.010	13	1.3	ND<1	ND<5.0	ND<50	ND<6	--	73	73	--	--
08/03/04	ND<0.001	48	ND<0.01	ND<5	--	ND<800	--	--	--	--	--	--
11/09/04	ND<0.010	7.2	1.7	--	ND<5.0	--	--	--	76	76	--	--
02/01/05	ND<0.001	10	1.7	--	ND<5.0	--	ND<6	--	62	62	--	--
MW-7												
12/14/00	--	--	--	--	--	ND	--	--	--	--	ND	--
03/07/01	--	--	--	--	--	ND	--	--	--	--	ND	--
06/05/01	--	--	--	--	--	ND	--	--	--	--	ND	--
09/11/01	--	--	--	--	--	ND<5000000	--	--	--	--	ND<2.0	--
12/11/01	--	--	--	--	--	ND<5000000	--	--	--	--	ND<2.0	--
03/12/02	--	--	--	--	--	ND<5000000	--	--	--	--	ND<2.0	--
06/17/02	--	--	--	--	--	ND<5000000	--	--	--	--	ND<2.0	--
09/10/02	--	--	--	--	--	ND<5000000	--	--	--	--	ND<0.50	--
06/10/03	--	--	--	--	--	ND<5000000	--	--	--	--	ND<2.0	--
09/10/03	ND<0.010	0.029	--	ND<0.001	--	ND<500	ND<0.02	ND<1.0	--	--	ND<2.0	0.26
12/10/03	--	29	0.29	ND<1.0	--	ND<500	ND<6.0	--	130	130	--	--
03/17/04	ND<0.010	--	0.30	ND<1.0	ND<5.0	ND<500	--	--	120	120	--	--

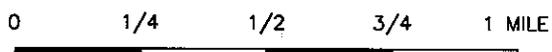
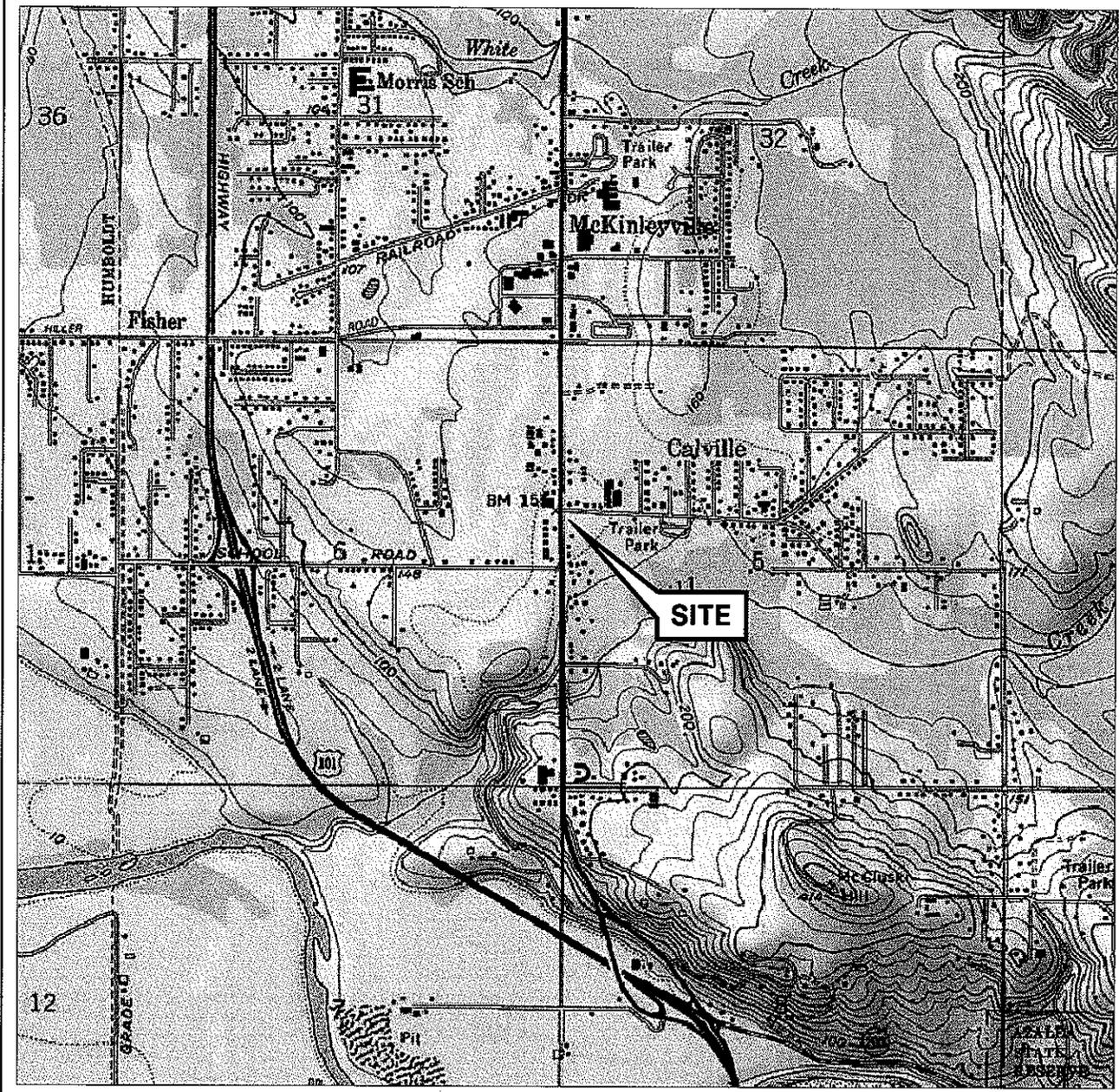
Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Methane (µg/ml)	COD (mg/l)	Mang (mg/l)	Sulfide (mg/l)	Carbonate Hydroxide (mg/l)	Ethanol 8260B (µg/l)	BOD (mg/l)	Nitrate (µg/l)	B- Alkalinity (mg/l)	Total Alkalinity (mg/l)	1,2 DCE (µg/l)	D- Manganese (µg/l)
MW-7 continued												
06/02/04	ND<0.010	ND<5	0.24	ND<1	ND<5.0	ND<50	ND<6	--	73	73	--	--
08/03/04	ND<0.001	54	ND<0.01	ND<5	--	ND<800	--	--	--	--	--	--
11/09/04	ND<0.010	18	0.89	--	ND<5.0	--	--	--	27	27	--	--
02/01/05	ND<0.001	12	1.9	--	ND<5.0	--	ND<6	--	48	48	--	--
MW-8												
12/14/00	--	--	--	--	--	ND	--	--	--	--	ND	--
03/07/01	--	--	--	--	--	ND	--	--	--	--	ND	--
06/05/01	--	--	--	--	--	ND	--	--	--	--	ND	--
09/11/01	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
12/11/01	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
03/12/02	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
09/10/02	--	--	--	--	--	ND<50000	--	--	--	--	ND<0.50	--
03/11/03	--	--	--	--	--	--	--	--	--	--	ND<2.0	--
09/10/03	ND<0.010	0.03	--	ND<0.001	--	ND<500	ND<0.02	5.9	--	--	ND<2.0	ND<0.0050
03/17/04	ND<0.010	--	0.22	ND<1.0	ND<5.0	ND<500	--	--	50	50	--	--
08/03/04	ND<0.001	66	ND<0.01	ND<5	--	ND<800	--	--	--	--	--	--
02/01/05	ND<0.001	8.0	0.96	--	ND<5.0	--	ND<6	--	69	69	--	--
MW-9												
12/14/00	--	--	--	--	--	ND	--	--	--	--	ND	--
03/07/01	--	--	--	--	--	ND	--	--	--	--	ND	--
06/05/01	--	--	--	--	--	ND	--	--	--	--	ND	--
09/11/01	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
12/11/01	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
03/12/02	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
06/17/02	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
09/10/02	--	--	--	--	--	ND<50000	--	--	--	--	ND<0.50	--

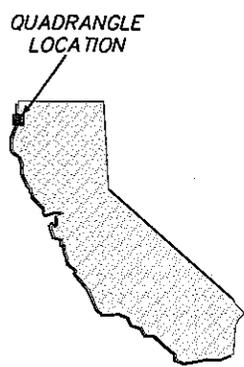
Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Methane (µg/ml)	COD (mg/l)	Mang (mg/l)	Sulfide (mg/l)	Carbonate Hydroxide (mg/l)	Ethanol 8260B (µg/l)	BOD (mg/l)	Nitrate (µg/l)	B- Alkalinity (mg/l)	Total Alkalinity (mg/l)	1,2 DCE (µg/l)	D- Manganese (µg/l)
MW-9 12/10/02	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
03/11/03	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
06/10/03	--	--	--	--	--	ND<500000	--	--	--	--	ND<2.0	--
09/10/03	ND<0.010	0.021	--	ND<0.001	--	ND<500	ND<0.006	8.9	--	--	ND<2.0	0.34
12/09/03	--	--	1.6	--	ND<5.0	ND<500	--	--	100	100	--	--
03/17/04	ND<0.010	--	0.57	ND<1.0	ND<5.0	ND<500	--	--	55	55	--	--
06/02/04	ND<0.010	ND<5	0.073	ND<1	ND<5.0	ND<50	ND<6	--	78	78	--	--
08/03/04	ND<0.001	34	ND<0.01	ND<5	--	ND<800	--	--	--	--	--	--
11/09/04	ND<0.010	7.6	1.3	--	ND<5.0	--	--	--	79	79	--	--
02/01/05	ND<0.001	ND<5.0	1.8	--	ND<5.0	--	ND<6	--	72	72	--	--

FIGURES



SCALE 1:24,000



VICINITY MAP

SOURCE:

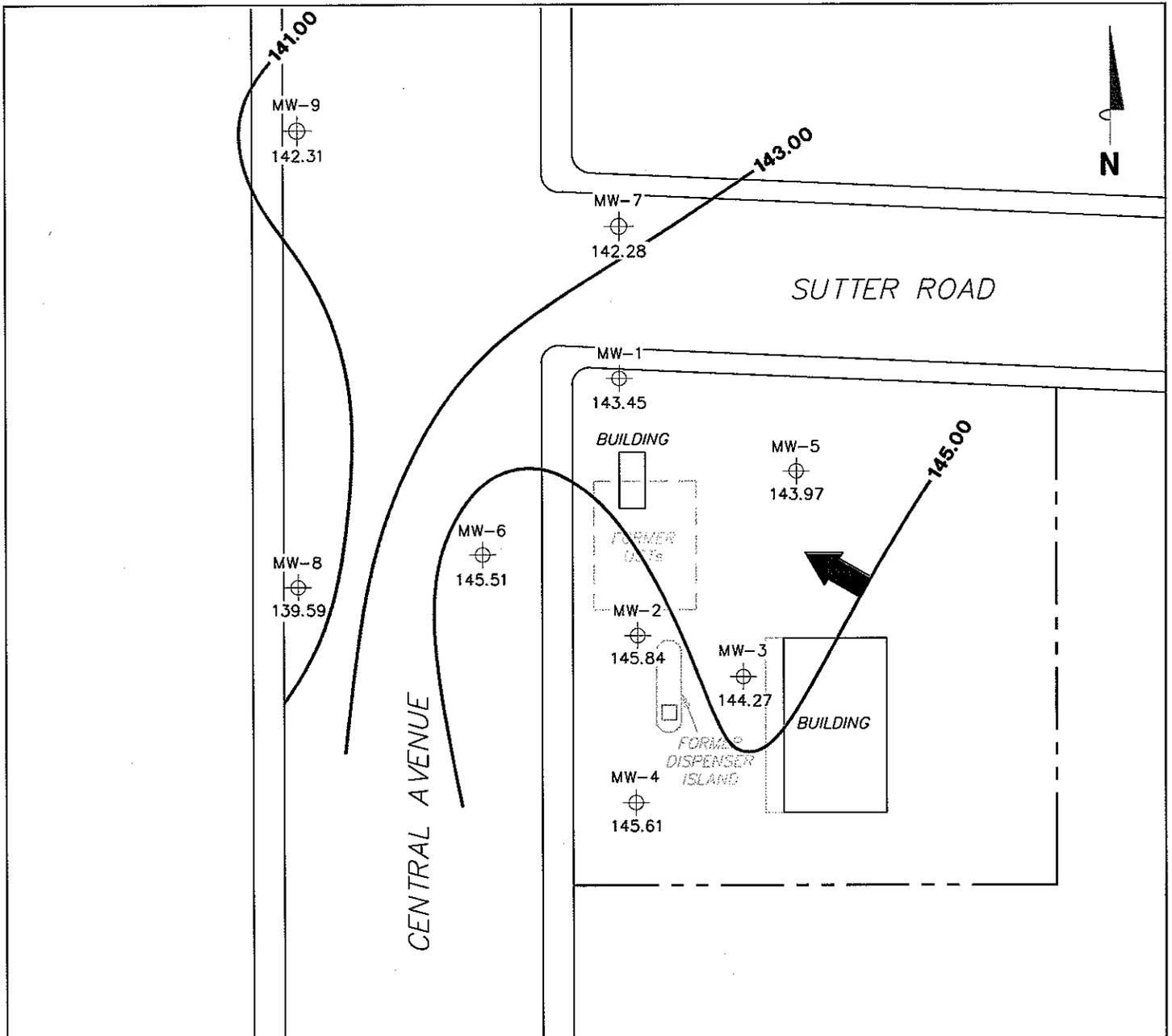
United States Geological Survey
7.5 Minute Topographic Maps:
Arcata North and Tyee City
Quadrangles

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

TRC

FIGURE 1

PS = 1:1



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank.

LEGEND

MW-9  Monitoring Well with Groundwater Elevation (feet)

145.00 — Groundwater Elevation Contour

 General Direction of Groundwater Flow

**GROUNDWATER ELEVATION
CONTOUR MAP
February 1, 2005**

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

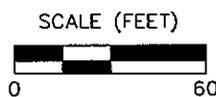
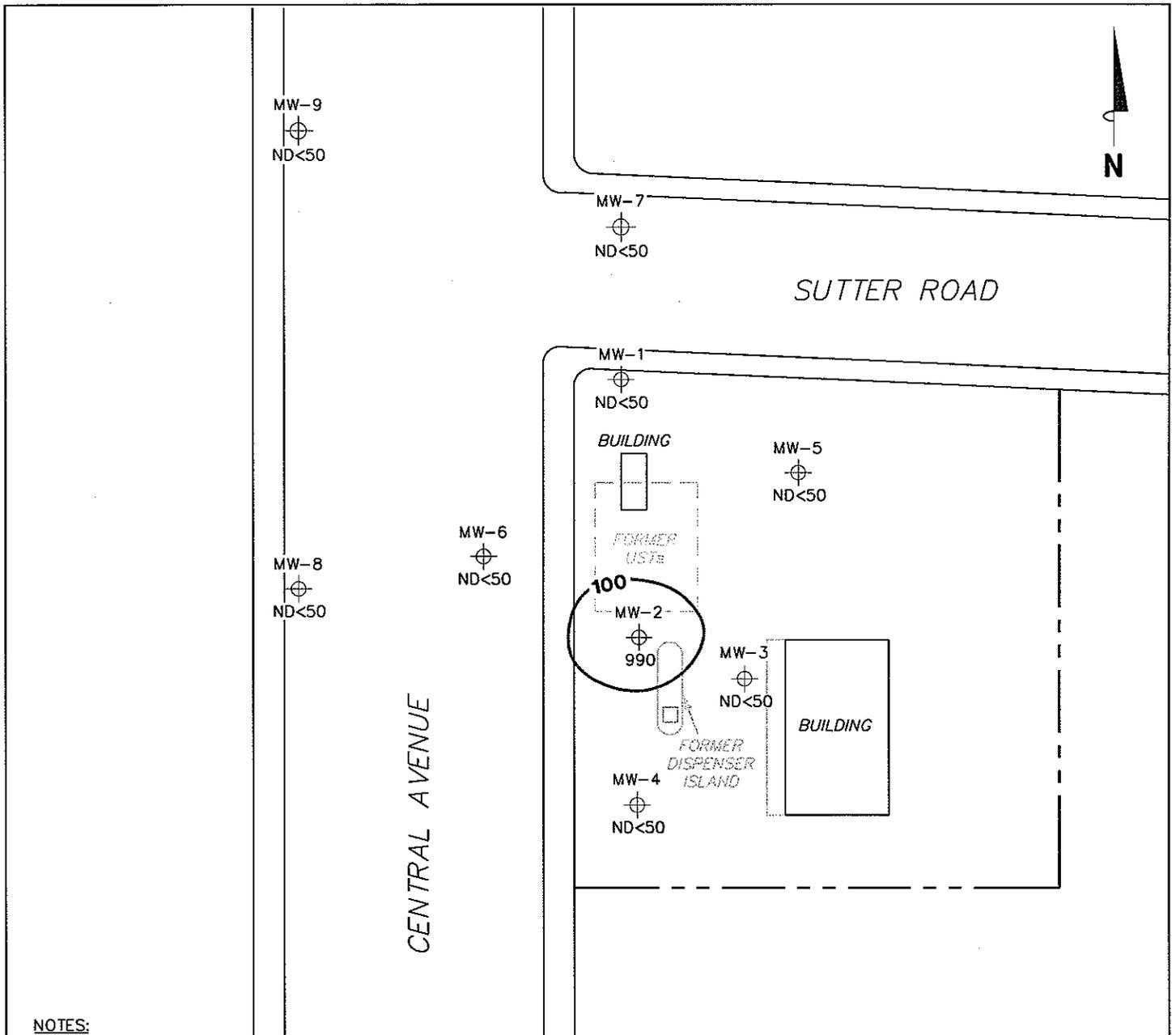


FIGURE 2

PS=1:1 01106-003



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
 TPH-G = total petroleum hydrocarbons as gasoline.
 µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
 UST = underground storage tank. Results obtained using EPA Method 8015.

LEGEND

MW-9 Monitoring Well with Dissolved-Phase TPH-G Concentration (µg/l)

100 Dissolved-Phase TPH-G Contour (µg/l)

**DISSOLVED-PHASE TPH-G
 CONCENTRATION MAP
 February 1, 2005**

Former Circle K Store 01106
 1693 Central Avenue
 McKinleyville, California

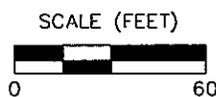
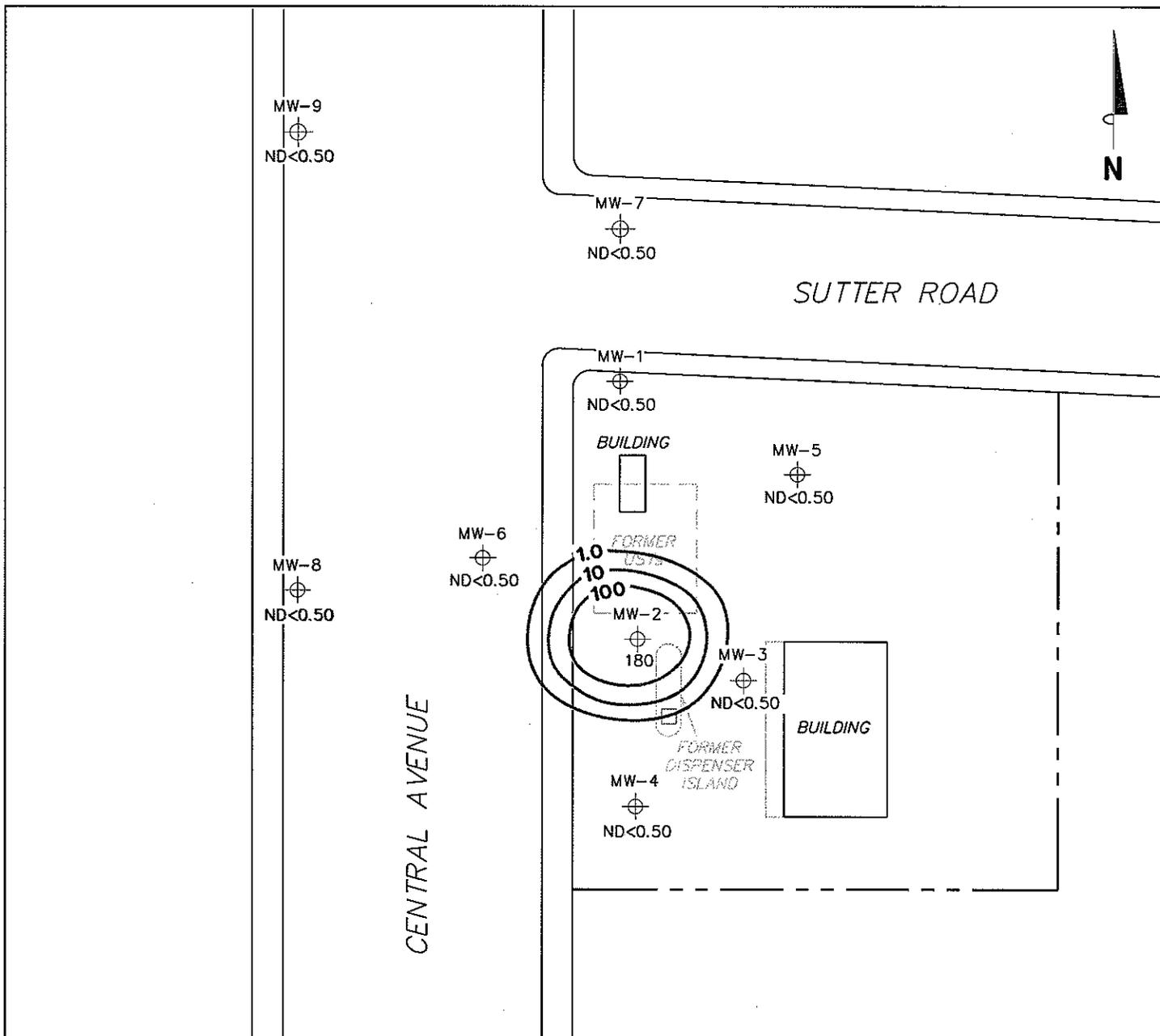


FIGURE 3

PS=1:1 01106-003



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
 µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
 UST = underground storage tank.

LEGEND

- MW-9 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)
- 100- Dissolved-Phase Benzene Contour (µg/l)

**DISSOLVED-PHASE BENZENE CONCENTRATION MAP
 February 1, 2005**

Former Circle K Store 01106
 1693 Central Avenue
 McKinleyville, California

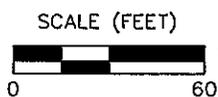
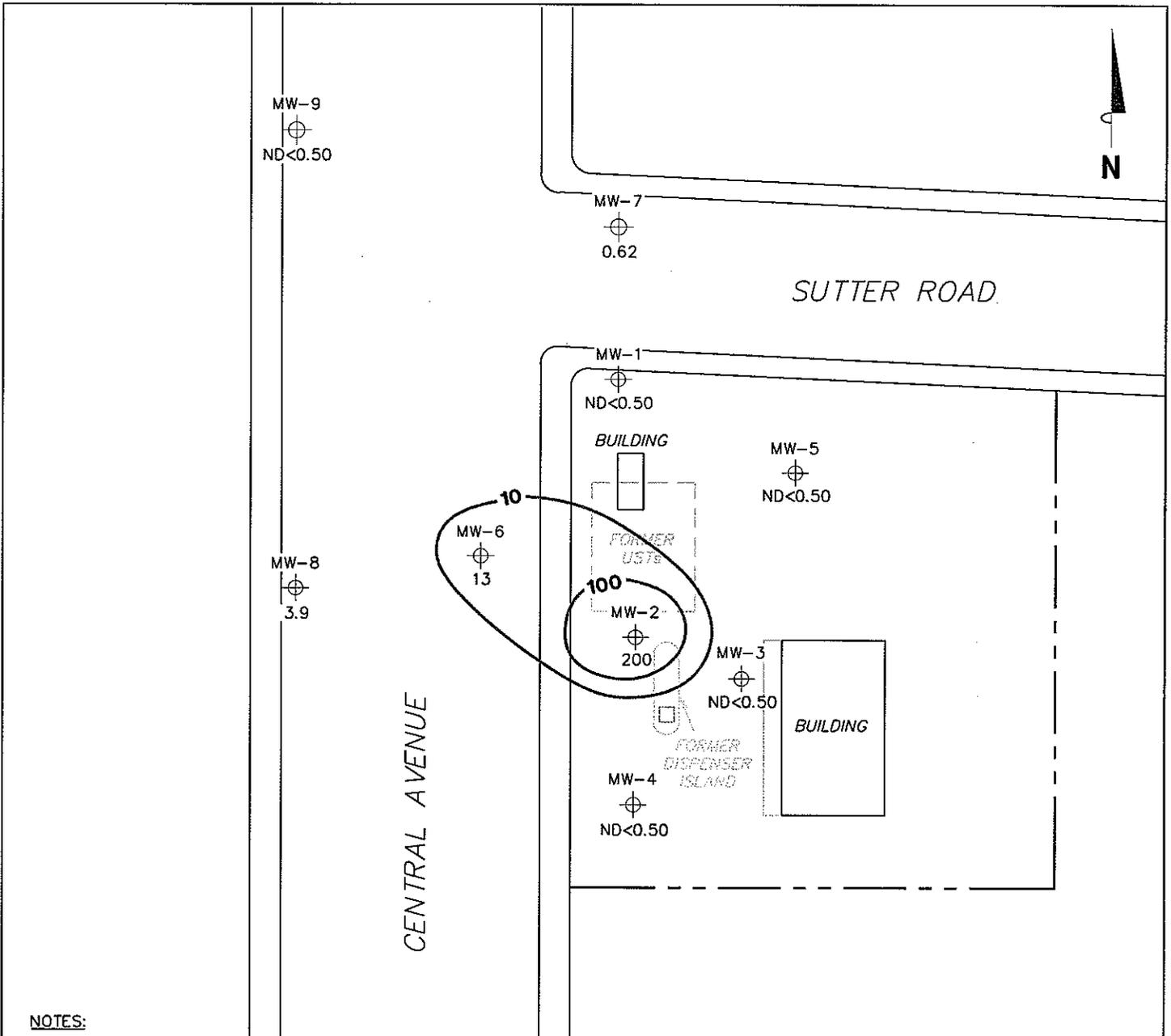


FIGURE 4

PS=1:1 01106-003



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.

LEGEND

MW-9  Monitoring Well with Dissolved-Phase MTBE Concentration ($\mu\text{g/l}$)

 -100- Dissolved-Phase MTBE Contour ($\mu\text{g/l}$)

**DISSOLVED-PHASE MTBE
CONCENTRATION MAP
February 1, 2005**

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

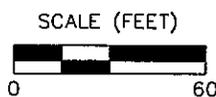
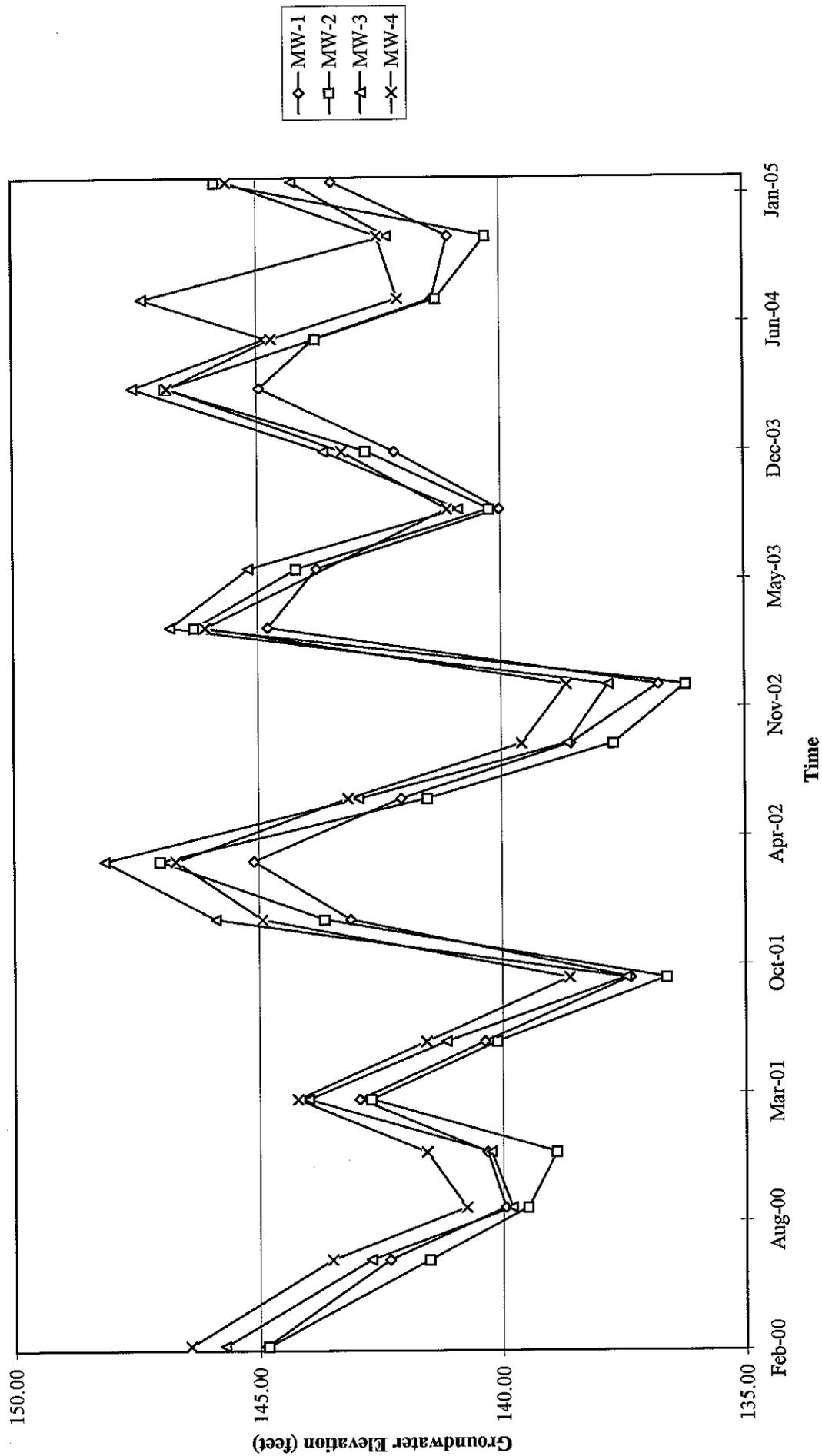


FIGURE 5

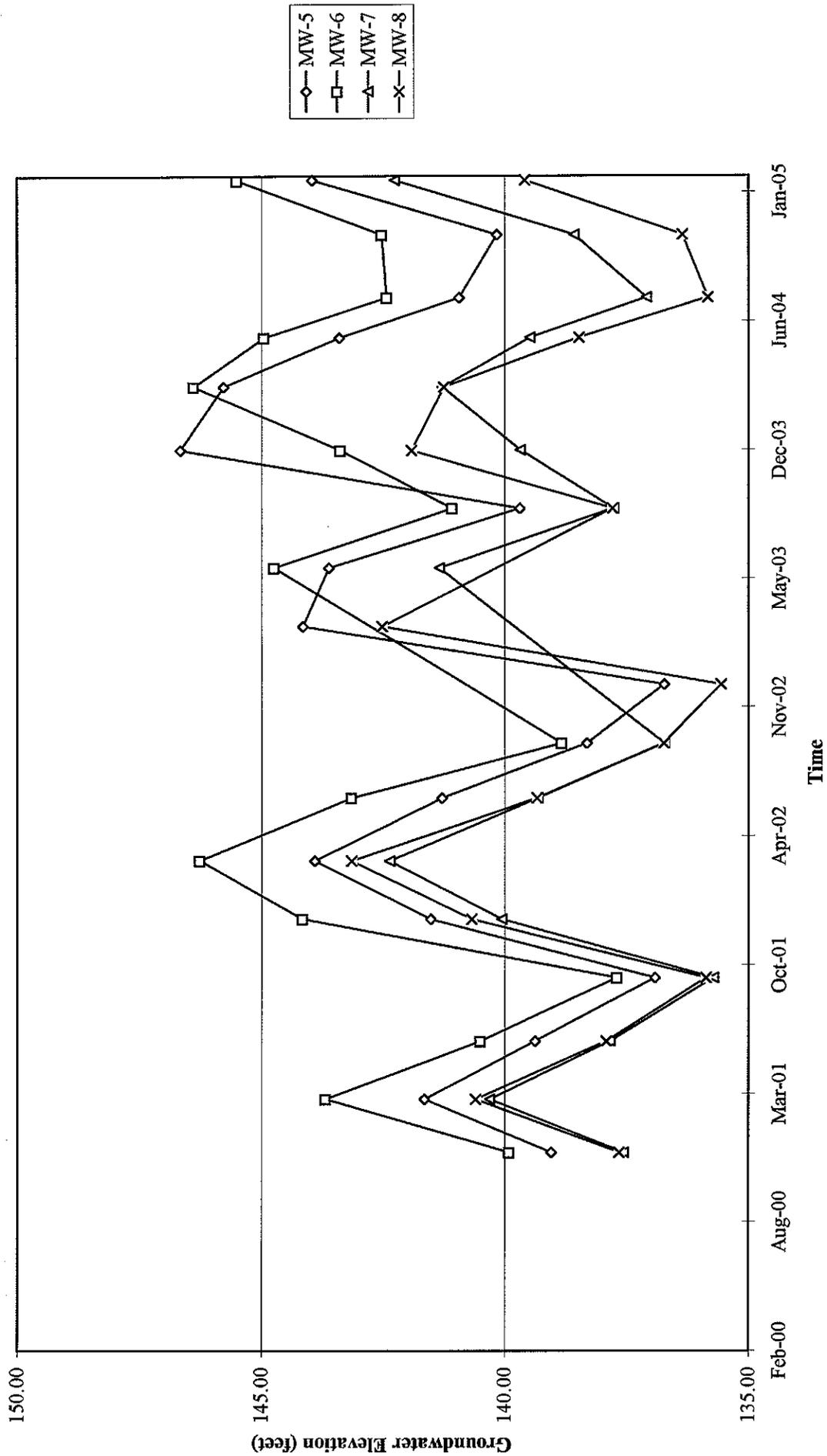
PS=1:1 01106-003

GRAPHS

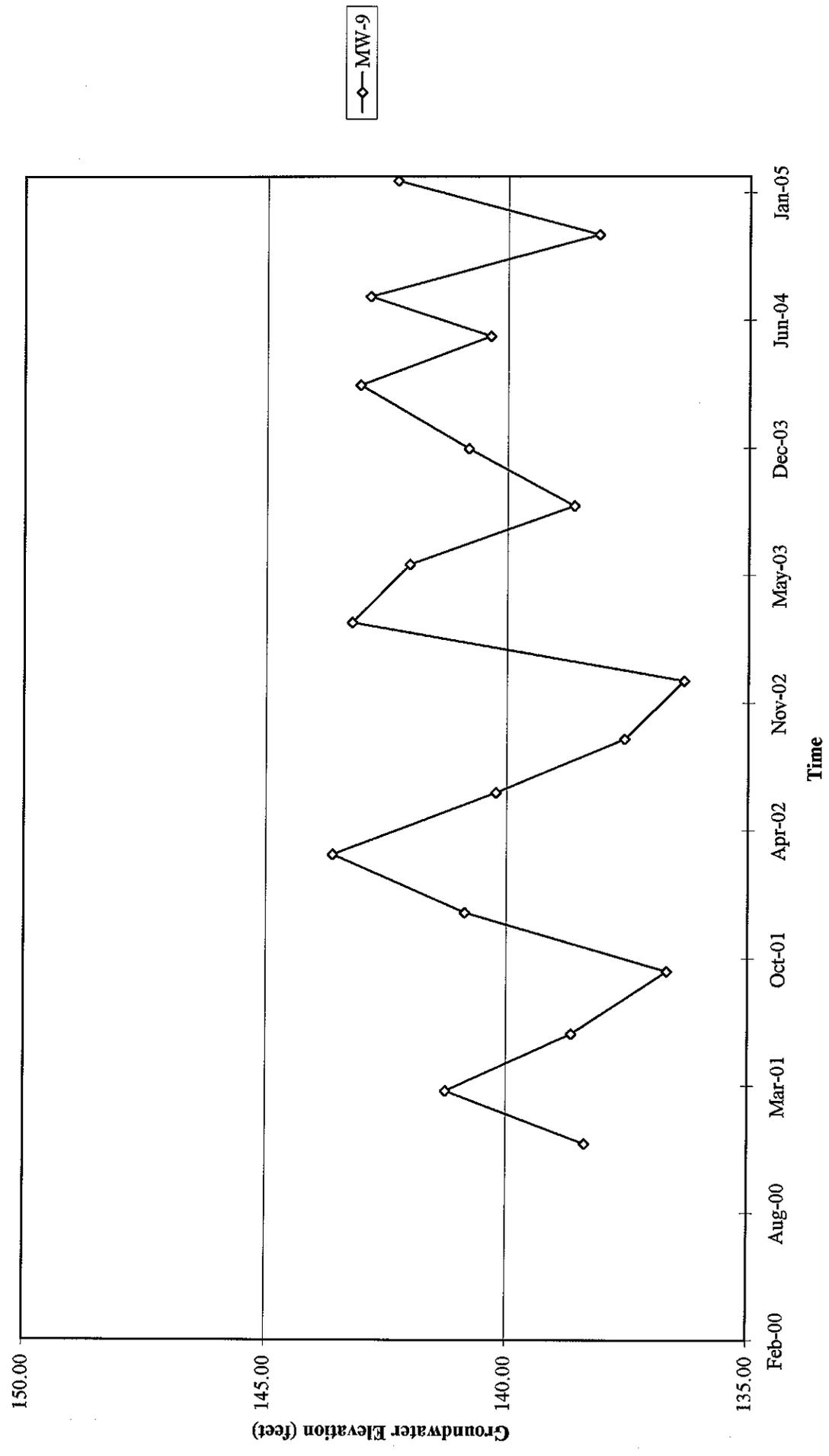
Groundwater Elevations vs. Time
Former Circle K Store 01106



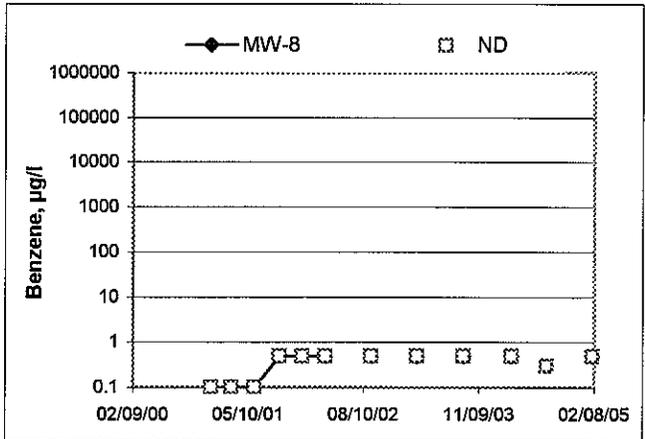
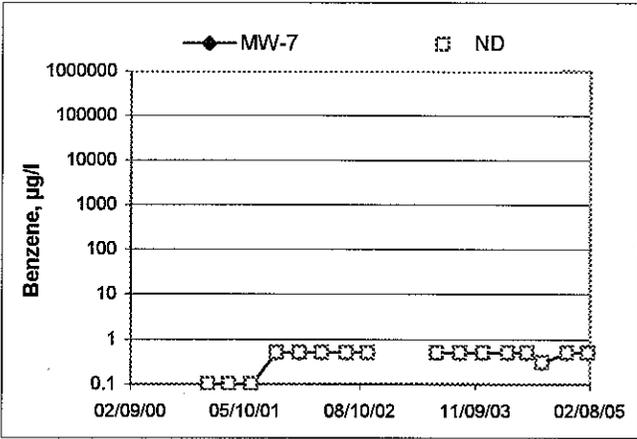
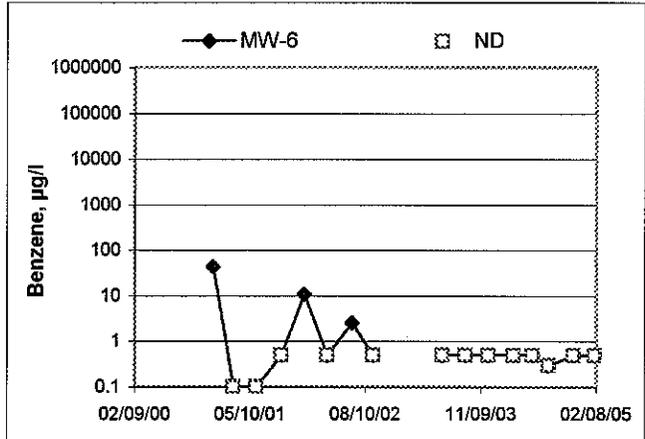
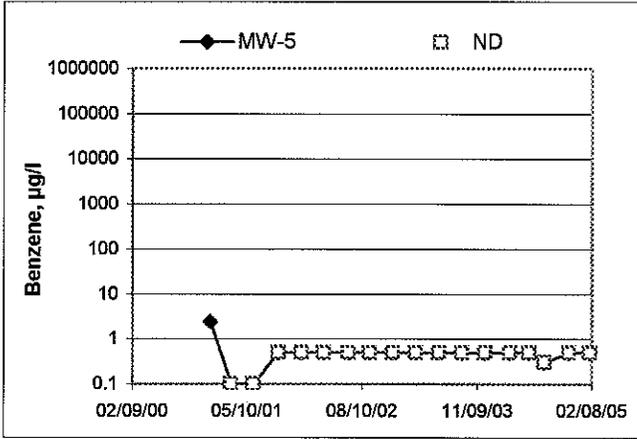
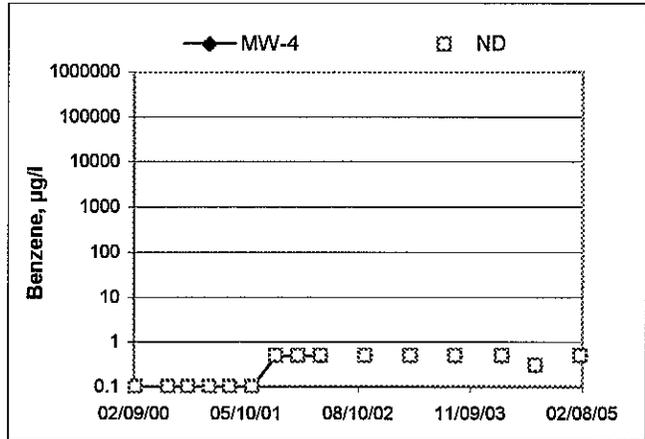
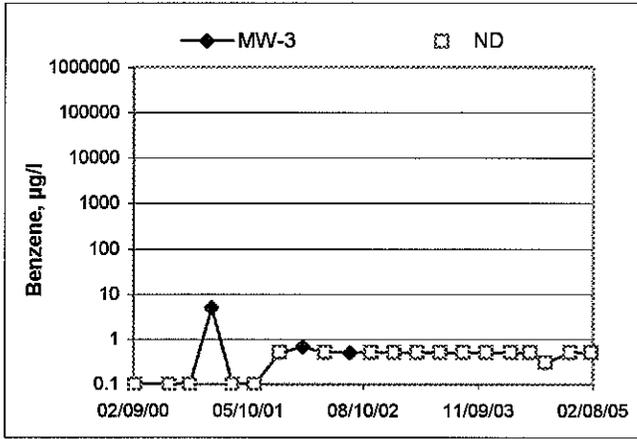
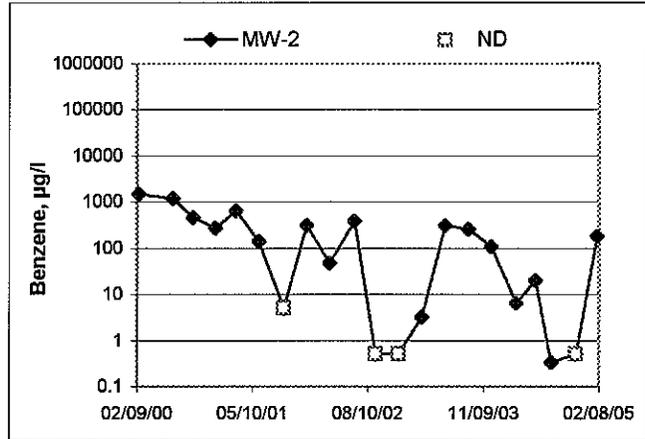
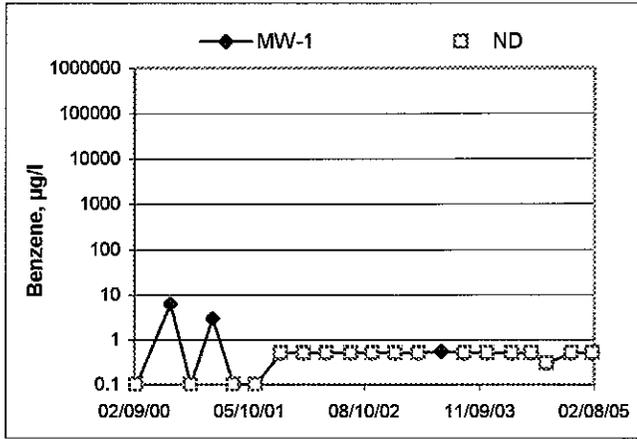
Groundwater Elevations vs. Time
Former Circle K Store 01106



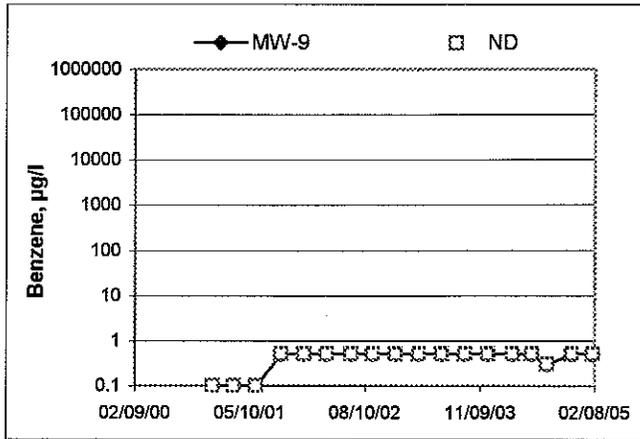
Groundwater Elevations vs. Time
Former Circle K Store 01106



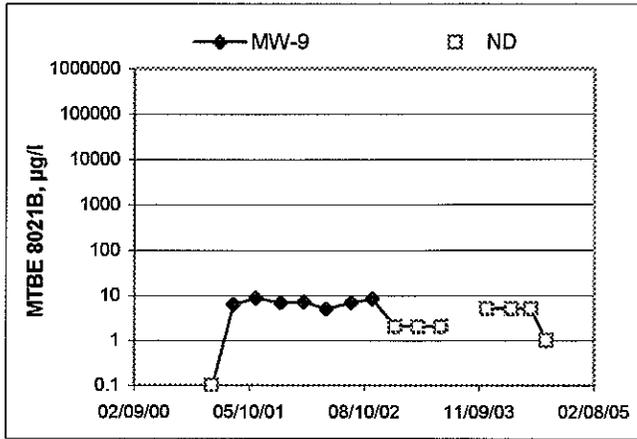
Benzene Concentrations vs Time Former Circle K Store 01106



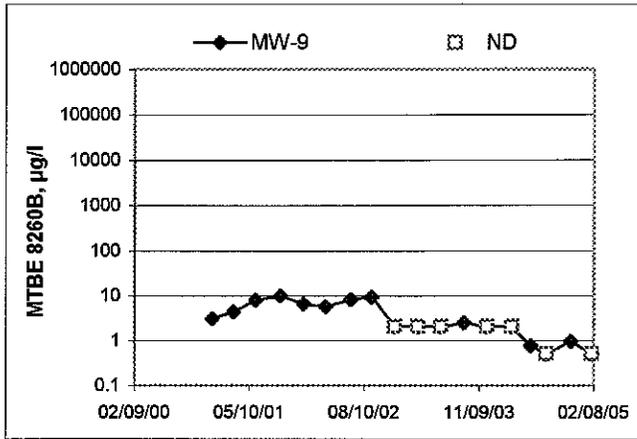
Benzene Concentrations vs Time
Former Circle K Store 01106



MTBE 8021B Concentrations vs Time
Former Circle K Store 01106



MTBE 8260B Concentrations vs Time
Former Circle K Store 01106



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage, or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurement are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, and the samplers initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging, and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least-affected well and ending with the well that has highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected well to the most-affected well.

Decontamination

In order to reduce the possibility of cross-contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

GROUNDWATER SAMPLING FIELD NOTES

Technician: Anthony Hammet

Site: 01106

Project No.: 41050001

Date: 02-01-05

Well No.: ~~11103~~ MW-2
 Depth to Water (feet): 6.27
 Total Depth (feet): 17.05
 Water Column (feet): 10.78
 80% Recharge Depth (feet): 8.43

Purge Method: Dia
 Depth to Product (feet): 0
 LPH & Water Recovered (gallons): 0
 Casing Diameter (Inches): 2"
 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. C)	pH	Turbidity	D.O.
0914			2	80.7	74.0	5.56		35.4
			4	75.5	74.5	5.68		
	0919		6	75.8	75.4	5.69		
Static at Time Sampled		Total Gallons Purged		Time Sampled				
6.52		6		1357				
Comments:								

2500

Well No.: ~~11103~~ MW-3
 Depth to Water (feet): 4.30
 Total Depth (feet): 16.79
 Water Column (feet): 12.49
 80% Recharge Depth (feet): 6.80

Purge Method: Dia
 Depth to Product (feet): 0
 LPH & Water Recovered (gallons): 0
 Casing Diameter (Inches): 2"
 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. C)	pH	Turbidity	D.O.
0928			2	65.9	79.9	6.02		34.8
			4	73.6	80.4	6.27		
	0933		6	47.9	82.0	6.36		
Static at Time Sampled		Total Gallons Purged		Time Sampled				
4.32		6		1331				
Comments:								

2500

GROUNDWATER SAMPLING FIELD NOTES

Technician: Anthony Hammet

Site: 01106

Project No.: 41050001

Date: 02-01-05

Well No.: MW-5
 Depth to Water (feet): 6.12
 Total Depth (feet): 17.02
 Water Column (feet): 10.90
 80% Recharge Depth (feet): 8.30

Purge Method: Dia
 Depth to Product (feet): 0
 LPH & Water Recovered (gallons): 0
 Casing Diameter (Inches): 2"
 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0828			2	96.2	37.0	6.08		72
			4	102.6	37.7	5.96		
	0834		6	98.8	37.3	6.21		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
6:55			6			12:40		
Comments:								

Well No.: MW-4
 Depth to Water (feet): 5.05
 Total Depth (feet): 17.02
 Water Column (feet): 11.97
 80% Recharge Depth (feet): 7.44

Purge Method: Dia
 Depth to Product (feet): 0
 LPH & Water Recovered (gallons): 0
 Casing Diameter (Inches): 2"
 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0843			2	153.4	40.5	5.58		26
			4	141.2	47.0	5.71		
	0851		6	133.9	50.0	5.70		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
5:17			6			13:05		
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: Anthony Hammet

Site: 01106

Project No.: 4105001

Date: 02-01-05

Well No.: MW-7

Purge Method: Dia

Depth to Water (feet): 7.34

Depth to Product (feet): 0

Total Depth (feet): 16.66

LPH & Water Recovered (gallons): 0

Water Column (feet): 9.32

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 9.20

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F. °)	pH	Turbidity	D.O.
0809			2	86.6	90.5	5.92		2.6
			4	191.6	66.8	5.69		
	0814		6	229	67.4	6.25		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
0.51			6			1150		
Comments:								

Well No.: MW-6

Purge Method: Dia

Depth to Water (feet): 4.94

Depth to Product (feet): 0

Total Depth (feet): 16.43

LPH & Water Recovered (gallons): 0

Water Column (feet): 11.49

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 7.24

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F. °)	pH	Turbidity	D.O.
0943			2	74.8	96.7	6.15		3.8
			4	74.3	15.8	6.10		
	0948		6	74.0	14.6	6.07		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
5.10			6			1215		
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: Anthony Hammet

Site: 01106

Project No.: 41050001

Date: 02-01-05

Well No.: MW-9
 Depth to Water (feet): 7.66
 Total Depth (feet): 19.45
 Water Column (feet): 11.79
 80% Recharge Depth (feet): 10.02

Purge Method: Pic
 Depth to Product (feet): 0
 LPH & Water Recovered (gallons): 0
 Casing Diameter (Inches): 2"
 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. <u>0</u>)	pH	Turbidity	D.O.
0730			2	71.1	91.2	6.11		36.2
			4	77.5	90.5	6.12		
	0744		6	82.7	88.4	6.05		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
7.68			6		1100			
Comments:								

Well No.: MW-8
 Depth to Water (feet): 10.90
 Total Depth (feet): 19.35
 Water Column (feet): 8.45
 80% Recharge Depth (feet): 12.59

Purge Method: H.B.
 Depth to Product (feet): 0
 LPH & Water Recovered (gallons): 0
 Casing Diameter (Inches): 2
 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. <u>0</u>)	pH	Turbidity	D.O.
0752			1	120.4	42.9	6.13		2.5
			2	117.5	45.1	6.14		
	0757		3	118.4	46.2	6.02		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
10.70			3		1123			
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: Anthony Hammet

Site: 01106

Project No.: 41050001

Date: 02-01-05

Well No.: MW-1

Purge Method: Dig

Depth to Water (feet): 6.10

Depth to Product (feet): 0

Total Depth (feet): 1631

LPH & Water Recovered (gallons): 0

Water Column (feet): 10.21

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 8.4

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0516			2	59.2	82.1	5.52		79.3
			4	65.8	76.3	5.56		
	0522		6	65.7	75.9	6.08		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
8.08			6		0540			
Comments:								

Well No.: _____

Purge Method: _____

Depth to Water (feet): _____

Depth to Product (feet): _____

Total Depth (feet): _____

LPH & Water Recovered (gallons): _____

Water Column (feet): _____

Casing Diameter (Inches): _____

80% Recharge Depth (feet): _____

1 Well Volume (gallons): _____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
Static at Time Sampled			Total Gallons Purged		Time Sampled			
Comments:								

TRC Alton Geoscience- Irvine

February 16, 2005

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20

Project: Conoco Phillips # 01106

Site: 1693 Central Ave. Mc Kinleyville

Attached is our report for your samples received on 02/02/2005 09:30

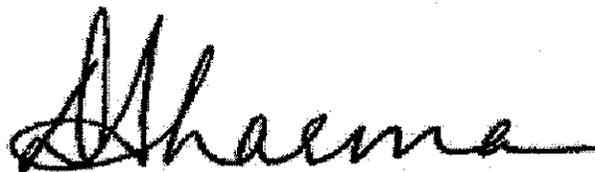
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 03/19/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma
Project Manager

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-9	02/01/2005 11:00	Water	1
MW-8	02/01/2005 11:23	Water	2
MW-7	02/01/2005 11:50	Water	3
MW-6	02/01/2005 12:15	Water	4
MW-5	02/01/2005 12:40	Water	5
MW-4	02/01/2005 13:05	Water	6
MW-3	02/01/2005 13:31	Water	7
MW-2	02/01/2005 13:57	Water	8
MW-1	02/01/2005 05:40	Water	9

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

02/08/2005 19:29

Page 1 of 12

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	MW-9	Lab ID:	2005-02-0029 - 1
Sampled:	02/01/2005 11:00	Extracted:	2/2/2005 21:38
Matrix:	Water	QC Batch#:	2005/02/02-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	9.7	1.0	mg/L	5.00	02/02/2005 21:38	
Sulfate	27	1.0	mg/L	5.00	02/02/2005 21:38	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

02/08/2005 19:29

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	MW-8	Lab ID:	2005-02-0029 - 2
Sampled:	02/01/2005 11:23	Extracted:	2/2/2005 21:38
Matrix:	Water	QC Batch#:	2005/02/02-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	6.6	1.0	mg/L	5.00	02/02/2005 21:38	
Sulfate	20	1.0	mg/L	5.00	02/02/2005 21:38	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	MW-7	Lab ID:	2005-02-0029 - 3
Sampled:	02/01/2005 11:50	Extracted:	2/2/2005 22:09
Matrix:	Water	QC Batch#:	2005/02/02-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	1.4	1.0	mg/L	5.00	02/02/2005 22:09	
Sulfate	150	1.0	mg/L	5.00	02/02/2005 22:09	

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	MW-6	Lab ID:	2005-02-0029 - 4
Sampled:	02/01/2005 12:15	Extracted:	2/2/2005 22:25
Matrix:	Water	QC Batch#:	2005/02/02-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	5.00	02/02/2005 22:25	
Sulfate	35	1.0	mg/L	5.00	02/02/2005 22:25	

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	MW-5	Lab ID:	2005-02-0029 - 5
Sampled:	02/01/2005 12:40	Extracted:	2/2/2005 23:11
Matrix:	Water	QC Batch#:	2005/02/02-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	24	1.0	mg/L	5.00	02/02/2005 23:11	
Sulfate	9.5	1.0	mg/L	5.00	02/02/2005 23:11	

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	MW-4	Lab ID:	2005-02-0029 - 6
Sampled:	02/01/2005 13:05	Extracted:	2/2/2005 23:27
Matrix:	Water	QC Batch#:	2005/02/02-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	64	1.0	mg/L	5.00	02/02/2005 23:27	
Sulfate	5.5	1.0	mg/L	5.00	02/02/2005 23:27	

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Conoco Phillips # 01106

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Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	MW-3	Lab ID:	2005-02-0029 - 7
Sampled:	02/01/2005 13:31	Extracted:	2/2/2005 23:42
Matrix:	Water	QC Batch#:	2005/02/02-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	65	1.0	mg/L	5.00	02/02/2005 23:42	
Sulfate	20	1.0	mg/L	5.00	02/02/2005 23:42	

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	MW-2	Lab ID:	2005-02-0029 - 8
Sampled:	02/01/2005 13:57	Extracted:	2/2/2005 23:58
Matrix:	Water	QC Batch#:	2005/02/02-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	18	1.0	mg/L	5.00	02/02/2005 23:58	
Sulfate	11	1.0	mg/L	5.00	02/02/2005 23:58	

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	MW-1	Lab ID:	2005-02-0029 - 9
Sampled:	02/01/2005 05:40	Extracted:	2/3/2005 00:13
Matrix:	Water	QC Batch#:	2005/02/02-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	33	1.0	mg/L	5.00	02/03/2005 00:13	
Sulfate	12	1.0	mg/L	5.00	02/03/2005 00:13	

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report

Prep(s): 300.0/9056

Test(s): 300.0/9056

Method Blank

Water

QC Batch # 2005/02/02-01.41

MB: 2005/02/02-01.41-001

Date Extracted: 02/02/2005 19:09

Compound	Conc.	RL	Unit	Analyzed	Flag
Nitrate	ND	0.2	mg/L	02/02/2005 19:09	
Sulfate	ND	0.2	mg/L	02/02/2005 19:09	

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02/08/2005 19:29

Misc Anions by Ion Chromatograph

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report										
Prep(s): 300.0/9056						Test(s): 300.0/9056				
Laboratory Control Spike			Water			QC Batch # 2005/02/02-01.41				
LCS	2005/02/02-01.41-002		Extracted: 02/02/2005			Analyzed: 02/02/2005 21:07				
LCSD	2005/02/02-01.41-003		Extracted: 02/02/2005			Analyzed: 02/02/2005 21:23				
Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Nitrate	20.5	20.5	20.0	102.5	102.5	0.0	80-120	20		
Sulfate	20.5	20.6	20.0	102.5	103.0	0.5	80-120	20		

Metals

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-9	02/01/2005 11:00	Water	1
MW-8	02/01/2005 11:23	Water	2
MW-7	02/01/2005 11:50	Water	3
MW-6	02/01/2005 12:15	Water	4
MW-5	02/01/2005 12:40	Water	5
MW-4	02/01/2005 13:05	Water	6
MW-3	02/01/2005 13:31	Water	7
MW-2	02/01/2005 13:57	Water	8
MW-1	02/01/2005 05:40	Water	9

Metals

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-9	Lab ID: 2005-02-0029 - 1
Sampled: 02/01/2005 11:00	Extracted: 2/4/2005 07:35
Matrix: Water	QC Batch#: 2005/02/04-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	1.8	0.0050	mg/L	1.00	02/08/2005 12:56	

Metals

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-8	Lab ID: 2005-02-0029 - 2
Sampled: 02/01/2005 11:23	Extracted: 2/4/2005 07:35
Matrix: Water	QC Batch#: 2005/02/04-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	0.96	0.0050	mg/L	1.00	02/08/2005 12:59	

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-7	Lab ID: 2005-02-0029 - 3
Sampled: 02/01/2005 11:50	Extracted: 2/4/2005 07:35
Matrix: Water	QC Batch#: 2005/02/04-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	1.9	0.0050	mg/L	1.00	02/08/2005 13:02	

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-6	Lab ID: 2005-02-0029 - 4
Sampled: 02/01/2005 12:15	Extracted: 2/4/2005 07:35
Matrix: Water	QC Batch#: 2005/02/04-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	1.7	0.0050	mg/L	1.00	02/08/2005 13:05	

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02/14/2005 12:08

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Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-5	Lab ID: 2005-02-0029 - 5
Sampled: 02/01/2005 12:40	Extracted: 2/4/2005 07:35
Matrix: Water	QC Batch#: 2005/02/04-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	0.21	0.0050	mg/L	1.00	02/08/2005 13:09	

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-4	Lab ID: 2005-02-0029 - 6
Sampled: 02/01/2005 13:05	Extracted: 2/4/2005 07:35
Matrix: Water	QC Batch#: 2005/02/04-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	0.24	0.0050	mg/L	1.00	02/08/2005 13:11	

Metals

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-3	Lab ID: 2005-02-0029 - 7
Sampled: 02/01/2005 13:31	Extracted: 2/4/2005 07:35
Matrix: Water	QC Batch#: 2005/02/04-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	0.040	0.0050	mg/L	1.00	02/08/2005 13:15	

Metals

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-2	Lab ID: 2005-02-0029 - 8
Sampled: 02/01/2005 13:57	Extracted: 2/4/2005 07:35
Matrix: Water	QC Batch#: 2005/02/04-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	0.14	0.0050	mg/L	1.00	02/08/2005 13:30	

Metals

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-1	Lab ID: 2005-02-0029 - 9
Sampled: 02/01/2005 05:40	Extracted: 2/4/2005 07:35
Matrix: Water	QC Batch#: 2005/02/04-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	0.64	0.0050	mg/L	1.00	02/08/2005 13:33	

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report

Prep(s): 3010A

Method Blank

MB: 2005/02/04-02.15-001

Water

Test(s): 6010B

QC Batch # 2005/02/04-02.15

Date Extracted: 02/04/2005 07:35

Compound	Conc.	RL	Unit	Analyzed	Flag
Manganese	ND	0.0050	mg/L	02/07/2005 21:02	

Metals

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report										
Prep(s): 3010A						Test(s): 6010B				
Laboratory Control Spike				Water			QC Batch # 2005/02/04-02.15			
LCS	2005/02/04-02.15-002			Extracted: 02/04/2005			Analyzed: 02/07/2005 21:04			
LCSD	2005/02/04-02.15-003			Extracted: 02/04/2005			Analyzed: 02/07/2005 21:08			
Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Manganese	0.510	0.500	0.500	102.0	100.0	2.0	80-120	20		

Alkalinity (Total)

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-9	02/01/2005 11:00	Water	1
MW-8	02/01/2005 11:23	Water	2
MW-7	02/01/2005 11:50	Water	3
MW-6	02/01/2005 12:15	Water	4
MW-5	02/01/2005 12:40	Water	5
MW-4	02/01/2005 13:05	Water	6
MW-3	02/01/2005 13:31	Water	7
MW-2	02/01/2005 13:57	Water	8
MW-1	02/01/2005 05:40	Water	9

Alkalinity (Total)

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	MW-9	Lab ID:	2005-02-0029 - 1
Sampled:	02/01/2005 11:00	Extracted:	2/7/2005 00:00
Matrix:	Water	QC Batch#:	2005/02/07-01.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Bicarbonate (as CaCO3)	72	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity (Total)	72	5.0	mg/L	1.00	02/07/2005	

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Alkalinity (Total)

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	MW-8	Lab ID:	2005-02-0029 - 2
Sampled:	02/01/2005 11:23	Extracted:	2/7/2005 00:00
Matrix:	Water	QC Batch#:	2005/02/07-01.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Bicarbonate (as CaCO3)	69	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity (Total)	69	5.0	mg/L	1.00	02/07/2005	

Alkalinity (Total)

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	MW-7	Lab ID:	2005-02-0029 - 3
Sampled:	02/01/2005 11:50	Extracted:	2/7/2005 00:00
Matrix:	Water	QC Batch#:	2005/02/07-01.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Bicarbonate (as CaCO3)	48	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity (Total)	48	5.0	mg/L	1.00	02/07/2005	

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Alkalinity (Total)

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	MW-6	Lab ID:	2005-02-0029 - 4
Sampled:	02/01/2005 12:15	Extracted:	2/7/2005 00:00
Matrix:	Water	QC Batch#:	2005/02/07-01.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Bicarbonate (as CaCO3)	62	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity (Total)	62	5.0	mg/L	1.00	02/07/2005	

Alkalinity (Total)

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	MW-5	Lab ID:	2005-02-0029 - 5
Sampled:	02/01/2005 12:40	Extracted:	2/7/2005 00:00
Matrix:	Water	QC Batch#:	2005/02/07-01.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Bicarbonate (as CaCO3)	19	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity (Total)	19	5.0	mg/L	1.00	02/07/2005	

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Alkalinity (Total)

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Received: 02/02/2005 09:30

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Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	MW-4	Lab ID:	2005-02-0029 - 6
Sampled:	02/01/2005 13:05	Extracted:	2/7/2005 00:00
Matrix:	Water	QC Batch#:	2005/02/07-01.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Bicarbonate (as CaCO3)	43	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity (Total)	43	5.0	mg/L	1.00	02/07/2005	

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02/14/2005 18:54

Alkalinity (Total)

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	MW-3	Lab ID:	2005-02-0029 - 7
Sampled:	02/01/2005 13:31	Extracted:	2/7/2005 00:00
Matrix:	Water	QC Batch#:	2005/02/07-01.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Bicarbonate (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity (Total)	ND	5.0	mg/L	1.00	02/07/2005	

Alkalinity (Total)

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	MW-2	Lab ID:	2005-02-0029 - 8
Sampled:	02/01/2005 13:57	Extracted:	2/7/2005 00:00
Matrix:	Water	QC Batch#:	2005/02/07-01.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Bicarbonate (as CaCO3)	33	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity (Total)	33	5.0	mg/L	1.00	02/07/2005	

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Alkalinity (Total)

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Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	MW-1	Lab ID:	2005-02-0029 - 9
Sampled:	02/01/2005 05:40	Extracted:	2/7/2005 00:00
Matrix:	Water	QC Batch#:	2005/02/07-01.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Bicarbonate (as CaCO3)	24	5.0	mg/L	1.00	02/07/2005	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	mg/L	1.00	02/07/2005	
Alkalinity (Total)	24	5.0	mg/L	1.00	02/07/2005	

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Alkalinity (Total)

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Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report

Prep(s): SM2320B

Method Blank

MB: 2005/02/07-01.58-001

Water

Test(s): SM2320B

QC Batch # 2005/02/07-01.58

Date Extracted: 02/07/2005

Compound	Conc.	RL	Unit	Analyzed	Flag
Alkalinity (Total)	ND	5.0	mg/L	02/07/2005	

Alkalinity (Total)

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report										
Prep(s): SM2320B						Test(s): SM2320B				
Laboratory Control Spike				Water			QC Batch # 2005/02/07-01.58			
LCS	2005/02/07-01.58-002			Extracted: 02/07/2005			Analyzed: 02/07/2005			
LCSD	2005/02/07-01.58-003			Extracted: 02/07/2005			Analyzed: 02/07/2005			
Compound	Conc. mg/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Alkalinity (Total)	2400	2400	2500	96.0	96.0	0.0	80-120	20		

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Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-9	02/01/2005 11:00	Water	1
MW-8	02/01/2005 11:23	Water	2
MW-7	02/01/2005 11:50	Water	3
MW-6	02/01/2005 12:15	Water	4
MW-5	02/01/2005 12:40	Water	5
MW-4	02/01/2005 13:05	Water	6
MW-3	02/01/2005 13:31	Water	7
MW-2	02/01/2005 13:57	Water	8
MW-1	02/01/2005 05:40	Water	9

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Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	MW-9	Lab ID:	2005-02-0029 - 1
Sampled:	02/01/2005 11:00	Extracted:	2/10/2005 16:09
Matrix:	Water	QC Batch#:	2005/02/10-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	02/10/2005 16:09	
Benzene	ND	0.50	ug/L	1.00	02/10/2005 16:09	
Toluene	ND	0.50	ug/L	1.00	02/10/2005 16:09	
Ethyl benzene	ND	0.50	ug/L	1.00	02/10/2005 16:09	
Xylene(s)	ND	0.50	ug/L	1.00	02/10/2005 16:09	
Surrogate(s)						
Trifluorotoluene	106.2	58-124	%	1.00	02/10/2005 16:09	
4-Bromofluorobenzene-FID	82.0	50-150	%	1.00	02/10/2005 16:09	

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Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	MW-8	Lab ID:	2005-02-0029 - 2
Sampled:	02/01/2005 11:23	Extracted:	2/10/2005 16:42
Matrix:	Water	QC Batch#:	2005/02/10-01:05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	02/10/2005 16:42	
Benzene	ND	0.50	ug/L	1.00	02/10/2005 16:42	
Toluene	ND	0.50	ug/L	1.00	02/10/2005 16:42	
Ethyl benzene	ND	0.50	ug/L	1.00	02/10/2005 16:42	
Xylene(s)	ND	0.50	ug/L	1.00	02/10/2005 16:42	
Surrogate(s)						
Trifluorotoluene	105.2	58-124	%	1.00	02/10/2005 16:42	
4-Bromofluorobenzene-FID	83.0	50-150	%	1.00	02/10/2005 16:42	

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: MW-7	Lab ID: 2005-02-0029 - 3
Sampled: 02/01/2005 11:50	Extracted: 2/10/2005 17:15
Matrix: Water	QC Batch#: 2005/02/10-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	02/10/2005 17:15	
Benzene	ND	0.50	ug/L	1.00	02/10/2005 17:15	
Toluene	ND	0.50	ug/L	1.00	02/10/2005 17:15	
Ethyl benzene	ND	0.50	ug/L	1.00	02/10/2005 17:15	
Xylene(s)	ND	0.50	ug/L	1.00	02/10/2005 17:15	
Surrogate(s)						
Trifluorotoluene	105.7	58-124	%	1.00	02/10/2005 17:15	
4-Bromofluorobenzene-FID	79.6	50-150	%	1.00	02/10/2005 17:15	

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: MW-6	Lab ID: 2005-02-0029 - 4
Sampled: 02/01/2005 12:15	Extracted: 2/10/2005 17:47
Matrix: Water	QC Batch#: 2005/02/10-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	02/10/2005 17:47	
Benzene	ND	0.50	ug/L	1.00	02/10/2005 17:47	
Toluene	ND	0.50	ug/L	1.00	02/10/2005 17:47	
Ethyl benzene	ND	0.50	ug/L	1.00	02/10/2005 17:47	
Xylene(s)	ND	0.50	ug/L	1.00	02/10/2005 17:47	
Surrogate(s)						
Trifluorotoluene	105.3	58-124	%	1.00	02/10/2005 17:47	
4-Bromofluorobenzene-FID	83.0	50-150	%	1.00	02/10/2005 17:47	

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: MW-5	Lab ID: 2005-02-0029 - 5
Sampled: 02/01/2005 12:40	Extracted: 2/10/2005 18:20
Matrix: Water	QC Batch#: 2005/02/10-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	02/10/2005 18:20	
Benzene	ND	0.50	ug/L	1.00	02/10/2005 18:20	
Toluene	ND	0.50	ug/L	1.00	02/10/2005 18:20	
Ethyl benzene	ND	0.50	ug/L	1.00	02/10/2005 18:20	
Xylene(s)	ND	0.50	ug/L	1.00	02/10/2005 18:20	
Surrogate(s)						
Trifluorotoluene	101.9	58-124	%	1.00	02/10/2005 18:20	
4-Bromofluorobenzene-FID	84.8	50-150	%	1.00	02/10/2005 18:20	

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	MW-4	Lab ID:	2005-02-0029 - 6
Sampled:	02/01/2005 13:05	Extracted:	2/10/2005 18:53
Matrix:	Water	QC Batch#:	2005/02/10-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	02/10/2005 18:53	
Benzene	ND	0.50	ug/L	1.00	02/10/2005 18:53	
Toluene	ND	0.50	ug/L	1.00	02/10/2005 18:53	
Ethyl benzene	ND	0.50	ug/L	1.00	02/10/2005 18:53	
Xylene(s)	ND	0.50	ug/L	1.00	02/10/2005 18:53	
Surrogate(s)						
Trifluorotoluene	102.7	58-124	%	1.00	02/10/2005 18:53	
4-Bromofluorobenzene-FID	84.7	50-150	%	1.00	02/10/2005 18:53	

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Gas/BTEX Compounds by 8015M/8021

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Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: MW-3	Lab ID: 2005-02-0029 - 7
Sampled: 02/01/2005 13:31	Extracted: 2/10/2005 22:41
Matrix: Water	QC Batch#: 2005/02/10-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	02/10/2005 22:41	
Benzene	ND	0.50	ug/L	1.00	02/10/2005 22:41	
Toluene	ND	0.50	ug/L	1.00	02/10/2005 22:41	
Ethyl benzene	ND	0.50	ug/L	1.00	02/10/2005 22:41	
Xylene(s)	ND	0.50	ug/L	1.00	02/10/2005 22:41	
Surrogate(s)						
Trifluorotoluene	97.2	58-124	%	1.00	02/10/2005 22:41	
4-Bromofluorobenzene-FID	81.8	50-150	%	1.00	02/10/2005 22:41	

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Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: MW-2	Lab ID: 2005-02-0029 - 8
Sampled: 02/01/2005 13:57	Extracted: 2/11/2005 10:39
Matrix: Water	QC Batch#: 2005/02/11-01.05
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	990	250	ug/L	5.00	02/11/2005 10:39	
Benzene	180	2.5	ug/L	5.00	02/11/2005 10:39	
Toluene	58	2.5	ug/L	5.00	02/11/2005 10:39	
Ethyl benzene	17	2.5	ug/L	5.00	02/11/2005 10:39	
Xylene(s)	70	2.5	ug/L	5.00	02/11/2005 10:39	
Surrogate(s)						
Trifluorotoluene	88.8	58-124	%	5.00	02/11/2005 10:39	
4-Bromofluorobenzene-FID	83.0	50-150	%	5.00	02/11/2005 10:39	

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Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	MW-1	Lab ID:	2005-02-0029 - 9
Sampled:	02/01/2005 05:40	Extracted:	2/10/2005 23:47
Matrix:	Water	QC Batch#:	2005/02/10-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	02/10/2005 23:47	
Benzene	ND	0.50	ug/L	1.00	02/10/2005 23:47	
Toluene	ND	0.50	ug/L	1.00	02/10/2005 23:47	
Ethyl benzene	ND	0.50	ug/L	1.00	02/10/2005 23:47	
Xylene(s)	ND	0.50	ug/L	1.00	02/10/2005 23:47	
Surrogate(s)						
Trifluorotoluene	91.8	58-124	%	1.00	02/10/2005 23:47	
4-Bromofluorobenzene-FID	85.3	50-150	%	1.00	02/10/2005 23:47	

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

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Batch QC Report		
Prep(s): 5030		Test(s): 8015M
5030		8021B
Method Blank	Water	QC Batch # 2005/02/10-01.05
MB: 2005/02/10-01.05-004		Date Extracted: 02/10/2005 09:42

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	02/10/2005 09:42	
Benzene	ND	0.5	ug/L	02/10/2005 09:42	
Toluene	ND	0.5	ug/L	02/10/2005 09:42	
Ethyl benzene	ND	0.5	ug/L	02/10/2005 09:42	
Xylene(s)	ND	0.5	ug/L	02/10/2005 09:42	
Surrogates(s)					
Trifluorotoluene	103.8	58-124	%	02/10/2005 09:42	
4-Bromofluorobenzene-FID	87.6	50-150	%	02/10/2005 09:42	

Gas/BTEX Compounds by 8015M/8021

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report

Prep(s): 5030

5030

Method Blank

MB: 2005/02/11-01.05-002

Test(s): 8015M

8021B

QC Batch # 2005/02/11-01.05

Date Extracted: 02/11/2005 08:23

Water

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	02/11/2005 08:23	
Benzene	ND	0.5	ug/L	02/11/2005 08:23	
Toluene	ND	0.5	ug/L	02/11/2005 08:23	
Ethyl benzene	ND	0.5	ug/L	02/11/2005 08:23	
Xylene(s)	ND	0.5	ug/L	02/11/2005 08:23	
Surrogates(s)					
Trifluorotoluene	95.2	58-124	%	02/11/2005 08:23	
4-Bromofluorobenzene-FID	90.6	50-150	%	02/11/2005 08:23	

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Irvine, CA 92718

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike

Water

QC Batch # 2005/02/10-01.05

LCS 2005/02/10-01.05-005

Extracted: 02/10/2005

Analyzed: 02/10/2005 10:15

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	55.6		50.0	111.2			77-123	20		
Toluene	56.3		50.0	112.6			78-122	20		
Ethyl benzene	56.1		50.0	112.2			70-130	20		
Xylene(s)	166		150	110.7			75-125	20		
Surrogates(s)										
Trifluorotoluene	520		500	104.0			58-124			

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report									
Prep(s): 5030					Test(s): 8015M				
Laboratory Control Spike			Water			QC Batch # 2005/02/10-01.05			
LCS	2005/02/10-01.05-006		Extracted: 02/10/2005			Analyzed: 02/10/2005 10:48			
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
GRO (C6-C12)	236		250	94.4			75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	452		500	90.4			50-150			

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report									
Prep(s): 5030					Test(s): 8021B				
Laboratory Control Spike			Water			QC Batch # 2005/02/11-01.05			
LCS		2005/02/11-01.05-003		Extracted: 02/11/2005		Analyzed: 02/11/2005 08:56			
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	52.8		50.0	105.6			77-123	20		
Toluene	53.4		50.0	106.8			78-122	20		
Ethyl benzene	53.1		50.0	106.2			70-130	20		
Xylene(s)	157		150	104.7			75-125	20		
Surrogates(s)										
Trifluorotoluene	490		500	98.0			58-124			

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2005/02/11-01.05

LCS 2005/02/11-01.05-004

Extracted: 02/11/2005

Analyzed: 02/11/2005 09:28

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
GRO (C6-C12)	248		250	99.2			75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	472		500	94.4			50-150			

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Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/02/10-01.05

MS/MSD

Lab ID: 2005-02-0146 - 010

MS: 2005/02/10-01.05-021

Extracted: 02/10/2005

Analyzed: 02/10/2005 19:26

Dilution: 2.00

MSD: 2005/02/10-01.05-022

Extracted: 02/10/2005

Analyzed: 02/10/2005 19:58

Dilution: 2.00

Compound	Conc. ug/L		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	56.1	55.4	1.10	50.0	110.0	108.6	1.3	65-135	20		
Toluene	55.7	55.1	ND	50.0	111.4	110.2	1.1	65-135	20		
Ethyl benzene	54.7	54.3	0.807	50.0	107.8	107.0	0.7	65-135	20		
Xylene(s)	161	162	ND	150	107.3	108.0	0.7	65-135	20		
Surrogate(s)											
Trifluorotoluene	479	504		500	95.8	100.8		58-124			

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Received: 02/02/2005 09:30

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Batch QC Report			
Prep(s): 5030			Test(s): 8015M
Matrix Spike (MS / MSD)	Water	QC Batch # 2005/02/10-01.05	
MS/MSD		Lab ID:	2005-02-0146 - 011
MS: 2005/02/10-01.05-023	Extracted: 02/10/2005	Analyzed:	02/10/2005 20:31
		Dilution:	2.00
MSD: 2005/02/10-01.05-024	Extracted: 02/10/2005	Analyzed:	02/10/2005 21:03
		Dilution:	2.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
GRO (C6-C12)	226	228	ND	250	90.4	91.2	0.9	65-135	20		
<i>Surrogate(s)</i> 4-Bromofluorobenzene-FID	443	449		500	88.6	89.8		50-150			

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report			
Prep(s): 5030			Test(s): 8021B
Matrix Spike (MS / MSD)	Water	QC Batch # 2005/02/11-01.05	
MW-2 >> MS		Lab ID:	2005-02-0029 - 008
MS: 2005/02/11-01.05-006	Extracted: 02/11/2005	Analyzed:	02/11/2005 11:11
		Dilution:	5.00
MSD: 2005/02/11-01.05-007	Extracted: 02/11/2005	Analyzed:	02/11/2005 11:44
		Dilution:	5.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	427	437	178	250	99.6	103.6	3.9	65-135	20		
Toluene	304	320	58.1	250	98.4	104.8	6.3	65-135	20		
Ethyl benzene	259	276	17.5	250	96.6	103.4	6.8	65-135	20		
Xylene(s)	803	852	70.4	750	97.7	104.2	6.4	65-135	20		
Surrogate(s)											
Trifluorotoluene	462	472		500	92.4	94.4		58-124			

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

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Batch QC Report			
Prep(s): 5030			Test(s): 8015M
Matrix Spike (MS / MSD)	Water		QC Batch # 2005/02/11-01.05
MW-2 >> MS			Lab ID: 2005-02-0029 - 008
MS: 2005/02/11-01.05-008	Extracted: 02/11/2005	Analyzed: 02/11/2005 12:17	
		Dilution: 5.00	
MSD: 2005/02/11-01.05-009	Extracted: 02/11/2005	Analyzed: 02/11/2005 12:49	
		Dilution: 5.00	

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
GRO (C6-C12)	1960	1900	993	1250	77.4	72.6	6.4	65-135	20		
Surrogate(s) 4-Bromofluorobenzene-FID	451	458		500	90.2	91.6		50-150			

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Gas/BTEX Compounds by 8015M/8021

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Legend and Notes

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present
in the sample.

Result Flag

-

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Ferrous Iron by SM 3500-Fe B

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-9	02/01/2005 11:00	Water	1
MW-8	02/01/2005 11:23	Water	2
MW-7	02/01/2005 11:50	Water	3
MW-6	02/01/2005 12:15	Water	4
MW-5	02/01/2005 12:40	Water	5
MW-4	02/01/2005 13:05	Water	6
MW-3	02/01/2005 13:31	Water	7
MW-2	02/01/2005 13:57	Water	8
MW-1	02/01/2005 05:40	Water	9

Ferrous Iron by SM 3500-Fe B

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	MW-9	Lab ID:	2005-02-0029 - 1
Sampled:	02/01/2005 11:00	Extracted:	2/2/2005 10:30
Matrix:	Water	QC Batch#:	2005/02/02-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	0.083	0.010	mg/L	1.00	02/02/2005 10:40	

Ferrous Iron by SM 3500-Fe B

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	MW-8	Lab ID:	2005-02-0029 - 2
Sampled:	02/01/2005 11:23	Extracted:	2/2/2005 10:30
Matrix:	Water	QC Batch#:	2005/02/02-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	0.051	0.010	mg/L	1.00	02/02/2005 10:40	

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Ferrous Iron by SM 3500-Fe B

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	MW-7	Lab ID:	2005-02-0029 - 3
Sampled:	02/01/2005 11:50	Extracted:	2/2/2005 10:30
Matrix:	Water	QC Batch#:	2005/02/02-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	0.30	0.010	mg/L	1.00	02/02/2005 10:40	

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Ferrous Iron by SM 3500-Fe B

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	MW-6	Lab ID:	2005-02-0029 - 4
Sampled:	02/01/2005 12:15	Extracted:	2/2/2005 10:30
Matrix:	Water	QC Batch#:	2005/02/02-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	0.81	0.010	mg/L	1.00	02/02/2005 10:40	

Ferrous Iron by SM 3500-Fe B

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	MW-5	Lab ID:	2005-02-0029 - 5
Sampled:	02/01/2005 12:40	Extracted:	2/2/2005 10:30
Matrix:	Water	QC Batch#:	2005/02/02-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	0.10	0.010	mg/L	1.00	02/02/2005 10:40	

Ferrous Iron by SM 3500-Fe B

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	MW-4	Lab ID:	2005-02-0029 - 6
Sampled:	02/01/2005 13:05	Extracted:	2/2/2005 10:30
Matrix:	Water	QC Batch#:	2005/02/02-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	0.077	0.010	mg/L	1.00	02/02/2005 10:40	

Ferrous Iron by SM 3500-Fe B

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	MW-3	Lab ID:	2005-02-0029 - 7
Sampled:	02/01/2005 13:31	Extracted:	2/2/2005 10:30
Matrix:	Water	QC Batch#:	2005/02/02-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	0.068	0.010	mg/L	1.00	02/02/2005 10:40	

Ferrous Iron by SM 3500-Fe B

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	MW-2	Lab ID:	2005-02-0029 - 8
Sampled:	02/01/2005 13:57	Extracted:	2/2/2005 10:30
Matrix:	Water	QC Batch#:	2005/02/02-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	0.027	0.010	mg/L	1.00	02/02/2005 10:40	

Ferrous Iron by SM 3500-Fe B

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 3500 Fe B	Test(s): SM 3500-Fe B
Sample ID: MW-1	Lab ID: 2005-02-0029 - 9
Sampled: 02/01/2005 05:40	Extracted: 2/2/2005 10:30
Matrix: Water	QC Batch#: 2005/02/02-01.72
Analysis Flag: H4. (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	0.095	0.010	mg/L	1.00	02/02/2005 10:40	

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Ferrous Iron by SM 3500-Fe B

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report

Prep(s): 3500 Fe B

Method Blank

MB: 2005/02/02-01.72-001

Water

Test(s): SM 3500-Fe B

QC Batch # 2005/02/02-01.72

Date Extracted: 02/02/2005 10:30

Compound	Conc.	RL	Unit	Analyzed	Flag
Ferrous Iron	ND	0.01	mg/L	02/02/2005 10:40	

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Ferrous Iron by SM 3500-Fe B

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report										
Prep(s): 3500 Fe B						Test(s): SM 3500-Fe B				
Laboratory Control Spike				Water			QC Batch # 2005/02/02-01.72			
LCS	2005/02/02-01.72-002			Extracted: 02/02/2005			Analyzed: 02/02/2005 10:40			
LCSD	2005/02/02-01.72-003			Extracted: 02/02/2005			Analyzed: 02/02/2005 10:40			
Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Ferrous Iron	0.863	0.887	1	86.3	88.7	2.7	80-120	20		

Ferrous Iron by SM 3500-Fe B

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report

Prep(s): 3500 Fe B

Test(s): SM 3500-Fe B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/02/02-01.72

MW-1 >> MS

Lab ID: 2005-02-0029 - 009

MS: 2005/02/02-01.72-004

Extracted: 02/02/2005

Analyzed: 02/02/2005 10:40

Dilution: 1.00

MSD: 2005/02/02-01.72-005

Extracted: 02/02/2005

Analyzed: 02/02/2005 10:40

Dilution: 1.00

Compound	Conc. mg/L			Spk.Level mg/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Ferrous Iron	0.989	1.01	0.0946	1	89.4	91.5	2.3	80-120	20		

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Ferrous Iron by SM 3500-Fe B

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21 Technology Drive

Irvine, CA 92718

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Legend and Notes

Analysis Flag

H4

Sample received after hold time expired.

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Gas/BTEX Fuel Oxygenates by 8260B

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-9	02/01/2005 11:00	Water	1
MW-8	02/01/2005 11:23	Water	2
MW-7	02/01/2005 11:50	Water	3
MW-6	02/01/2005 12:15	Water	4
MW-5	02/01/2005 12:40	Water	5
MW-4	02/01/2005 13:05	Water	6
MW-3	02/01/2005 13:31	Water	7
MW-2	02/01/2005 13:57	Water	8
MW-1	02/01/2005 05:40	Water	9

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02/16/2005 12:21

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-9	Lab ID: 2005-02-0029 - 1
Sampled: 02/01/2005 11:00	Extracted: 2/8/2005 03:11
Matrix: Water	QC Batch#: 2005/02/07-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/08/2005 03:11	
Surrogate(s)						
1,2-Dichloroethane-d4	106.4	73-130	%	1.00	02/08/2005 03:11	
Toluene-d8	96.9	81-114	%	1.00	02/08/2005 03:11	

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02/16/2005 12:21

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-8	Lab ID: 2005-02-0029 - 2
Sampled: 02/01/2005 11:23	Extracted: 2/8/2005 03:37
Matrix: Water	QC Batch#: 2005/02/07-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	3.9	0.50	ug/L	1.00	02/08/2005 03:37	
Surrogate(s)						
1,2-Dichloroethane-d4	106.6	73-130	%	1.00	02/08/2005 03:37	
Toluene-d8	98.0	81-114	%	1.00	02/08/2005 03:37	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-7	Lab ID:	2005-02-0029 - 3
Sampled:	02/01/2005 11:50	Extracted:	2/8/2005 04:03
Matrix:	Water	QC Batch#:	2005/02/07-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	0.62	0.50	ug/L	1.00	02/08/2005 04:03	
Surrogate(s)						
1,2-Dichloroethane-d4	101.4	73-130	%	1.00	02/08/2005 04:03	
Toluene-d8	98.8	81-114	%	1.00	02/08/2005 04:03	

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21 Technology Drive

Irvine, CA 92718

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-6	Lab ID:	2005-02-0029 - 4
Sampled:	02/01/2005 12:15	Extracted:	2/9/2005 08:15
Matrix:	Water	QC Batch#:	2005/02/09-1B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	13	0.50	ug/L	1.00	02/09/2005 08:15	
Surrogate(s)						
1,2-Dichloroethane-d4	108.8	73-130	%	1.00	02/09/2005 08:15	
Toluene-d8	110.5	81-114	%	1.00	02/09/2005 08:15	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-5	Lab ID: 2005-02-0029 - 5
Sampled: 02/01/2005 12:40	Extracted: 2/8/2005 08:10
Matrix: Water	QC Batch#: 2005/02/08-1B:68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/08/2005 08:10	
Surrogate(s)						
1,2-Dichloroethane-d4	105.3	73-130	%	1.00	02/08/2005 08:10	
Toluene-d8	101.1	81-114	%	1.00	02/08/2005 08:10	

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-4	Lab ID: 2005-02-0029 - 6
Sampled: 02/01/2005 13:05	Extracted: 2/8/2005 08:28
Matrix: Water	QC Batch#: 2005/02/08-1B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/08/2005 08:28	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	112.2	73-130	%	1.00	02/08/2005 08:28	
Toluene-d8	104.2	81-114	%	1.00	02/08/2005 08:28	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-3	Lab ID: 2005-02-0029 - 7
Sampled: 02/01/2005 13:31	Extracted: 2/8/2005 08:45
Matrix: Water	QC Batch#: 2005/02/08-1B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/08/2005 08:45	
Surrogate(s)						
1,2-Dichloroethane-d4	123.2	73-130	%	1.00	02/08/2005 08:45	
Toluene-d8	100.8	81-114	%	1.00	02/08/2005 08:45	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-2	Lab ID: 2005-02-0029 - 8
Sampled: 02/01/2005 13:57	Extracted: 2/8/2005 09:03
Matrix: Water	QC Batch#: 2005/02/08-1B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	200	0.50	ug/L	1.00	02/08/2005 09:03	
Surrogate(s)						
1,2-Dichloroethane-d4	94.9	73-130	%	1.00	02/08/2005 09:03	
Toluene-d8	106.6	81-114	%	1.00	02/08/2005 09:03	

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Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-1	Lab ID:	2005-02-0029 - 9
Sampled:	02/01/2005 05:40	Extracted:	2/8/2005 09:20
Matrix:	Water	QC Batch#:	2005/02/08-1B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/08/2005 09:20	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	113.0	73-130	%	1.00	02/08/2005 09:20	
Toluene-d8	102.5	81-114	%	1.00	02/08/2005 09:20	

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
Method Blank		Water		QC Batch # 2005/02/07-2A.62	
MB: 2005/02/07-2A.62-029				Date Extracted: 02/07/2005 18:29	

Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/07/2005 18:29	
Surrogates(s)					
1,2-Dichloroethane-d4	97.8	73-130	%	02/07/2005 18:29	
Toluene-d8	95.6	81-114	%	02/07/2005 18:29	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report					
Prep(s): 5030B			Test(s): 8260B		
Method Blank			Water		
MB: 2005/02/08-1B.68-018			QC Batch # 2005/02/08-1B.68		
			Date Extracted: 02/08/2005 07:18		
Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/08/2005 07:18	
Surrogates(s)					
1,2-Dichloroethane-d4	99.2	73-130	%	02/08/2005 07:18	
Toluene-d8	101.8	81-114	%	02/08/2005 07:18	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/02/09-1B.68-031

Water

Test(s): 8260B

QC Batch # 2005/02/09-1B.68

Date Extracted: 02/09/2005 07:31

Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/09/2005 07:31	
Surrogates(s)					
1,2-Dichloroethane-d4	105.8	73-130	%	02/09/2005 07:31	
Toluene-d8	109.8	81-114	%	02/09/2005 07:31	

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Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/02/07-2A.62**

LCS 2005/02/07-2A.62-003 Extracted: 02/07/2005 Analyzed: 02/07/2005 18:03

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.7		25	94.8			65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	472		500	94.4			73-130			
Toluene-d8	487		500	97.4			81-114			

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Gas/BTEX Fuel Oxygenates by 8260B

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21 Technology Drive

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/02/08-1B.68

LCS 2005/02/08-1B.68-001

Extracted: 02/08/2005

Analyzed: 02/08/2005 07:01

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.8		25	95.2			65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	429		500	85.8			73-130			
Toluene-d8	539		500	107.8			81-114			

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Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20

Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/02/09-1B.68

LCS 2005/02/09-1B.68-013

Extracted: 02/09/2005

Analyzed: 02/09/2005 07:13

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.6		25	90.4			65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	456		500	91.2			73-130			
Toluene-d8	528		500	105.6			81-114			

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Gas/BTEX Fuel Oxygenates by 8260B

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Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report

Prep(s): 5030B	Test(s): 8260B	
Matrix Spike (MS / MSD)	Water	QC Batch # 2005/02/07-2A.62
MS/MSD	Lab ID: 2005-02-0095 - 003	
MS: 2005/02/07-2A.62-010	Extracted: 02/07/2005	Analyzed: 02/07/2005 21:10
		Dilution: 1.00
MSD: 2005/02/07-2A.62-036	Extracted: 02/07/2005	Analyzed: 02/07/2005 21:36
		Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	52.9	55.0	29.2	25	94.8	103.2	8.5	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	486	485		500	97.3	97.1		73-130			
Toluene-d8	482	486		500	96.4	97.2		81-114			

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Project: 41050001FA20
Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report			
Prep(s): 5030B	Test(s): 8260B		
Matrix Spike (MS / MSD)	Water	QC Batch # 2005/02/08-1B.68	
MS/MSD	Lab ID: 2005-02-0051 - 004		
MS: 2005/02/08-1B.68-032	Extracted: 02/08/2005	Analyzed:	02/08/2005 12:32
		Dilution:	1.00
MSD: 2005/02/08-1B.68-049	Extracted: 02/08/2005	Analyzed:	02/08/2005 12:49
		Dilution:	1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	25.2	27.5	ND	25	100.8	110.0	8.7	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	459	465		500	91.8	93.0		73-130			
Toluene-d8	553	509		500	110.6	101.8		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Conoco Phillips # 01106

Received: 02/02/2005 09:30

Site: 1693 Central Ave. Mc Kinleyville

Batch QC Report						
Prep(s):	5030B					Test(s): 8260B
Matrix Spike (MS / MSD)				Water	QC Batch # 2005/02/09-1B.68	
MS/MSD				Lab ID:	2005-02-0101 - 003	
MS:	2005/02/09-1B.68-048	Extracted: 02/09/2005		Analyzed:	02/09/2005 11:48	
				Dilution:	1.00	
MSD:	2005/02/09-1B.68-006	Extracted: 02/09/2005		Analyzed:	02/09/2005 12:06	
				Dilution:	1.00	

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	24.3	28.0	2.68	25	86.5	101.3	15.8	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	486	458		500	97.2	91.6		73-130			
Toluene-d8	546	538		500	109.2	107.6		81-114			

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 233983

Prepared For:

Severn Trent Laboratories
1220 Quarry Lane
Pleasanton, CA 94566-4756

Project: STL San Francisco

Attention: Dimple Sharma

Date: 02/09/2005

Bonnie Stadelmann

Signature

02/09/05

Date

Name: Bonnie M. Stadelmann

Title: Project Manager

E-Mail: bstadelmann@stl-inc.com

STL Chicago
2417 Bond Street
University Park, IL 60466

PHONE: (708) 534-5200
FAX: (708) 534-5211

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LABORATORY TEST RESULTS						
Job Number: 233983			Date: 02/09/2005			
CUSTOMER: Severn Trent Laboratories		PROJECT: 2005-02-0029		ATTN: Dimple Sharma		
Customer Sample ID: MW-9 Date Sampled.....: 02/01/2005 Time Sampled.....: 11:00 Sample Matrix.....: Water			Laboratory Sample ID: 233983-1 Date Received.....: 02/03/2005 Time Received.....: 09:00			
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	<5.0	5.0	mg/L	02/08/05	rnm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 233983

Date: 02/09/2005

CUSTOMER: Severn Trent Laboratories

PROJECT: 2005-02-0029

ATTN: Dimple Sharma

Customer Sample ID: MW-8
 Date Sampled.....: 02/01/2005
 Time Sampled.....: 11:23
 Sample Matrix.....: Water

Laboratory Sample ID: 233983-2
 Date Received.....: 02/03/2005
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	8.0	5.0	mg/L	02/08/05	rnm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS						
Job Number: 233983					Date: 02/09/2005	
CUSTOMER: Severn Trent Laboratories		PROJECT: 2005-02-0029		ATTN: Dimple Sharma		
Customer Sample ID: MW-7 Date Sampled.....: 02/01/2005 Time Sampled.....: 11:50 Sample Matrix.....: Water			Laboratory Sample ID: 233983-3 Date Received.....: 02/03/2005 Time Received.....: 09:00			
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	12	5.0	mg/L	02/08/05	rrm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS						
Job Number: 233983			Date: 02/09/2005			
CUSTOMER: Severn Trent Laboratories		PROJECT: 2005-02-0029		ATTN: Dimple Sharma		
Customer Sample ID: MW-6 Date Sampled.....: 02/01/2005 Time Sampled.....: 12:15 Sample Matrix.....: Water			Laboratory Sample ID: 233983-4 Date Received.....: 02/03/2005 Time Received.....: 09:00			
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	10	5.0	mg/L	02/08/05	rnm

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS						
Job Number: 233983			Date: 02/09/2005			
CUSTOMER: Severn Trent Laboratories		PROJECT: 2005-02-0029		ATTN: Dimple Sharma		
Customer Sample ID: MW-5 Date Sampled.....: 02/01/2005 Time Sampled.....: 12:40 Sample Matrix.....: Water			Laboratory Sample ID: 233983-5 Date Received.....: 02/03/2005 Time Received.....: 09:00			
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	<5.0	5.0	mg/L	02/08/05	rnm

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS						
Job Number: 233983			Date: 02/09/2005			
CUSTOMER: Severn Trent Laboratories		PROJECT: 2005-02-0029		ATTN: Dimple Sharma		
Customer Sample ID: MW-4 Date Sampled.....: 02/01/2005 Time Sampled.....: 13:05 Sample Matrix.....: Water			Laboratory Sample ID: 233983-6 Date Received.....: 02/03/2005 Time Received.....: 09:00			
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	<5.0	5.0	mg/L	02/08/05	rnn

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS						
Job Number: 233983			Date: 02/09/2005			
CUSTOMER: Severn Trent Laboratories		PROJECT: 2005-02-0029		ATTN: Dimple Sharma		
Customer Sample ID: MW-3 Date Sampled.....: 02/01/2005 Time Sampled.....: 13:31 Sample Matrix.....: Water			Laboratory Sample ID: 233983-7 Date Received.....: 02/03/2005 Time Received.....: 09:00			
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	10	5.0	mg/L	02/08/05	rnm

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 233983

Date: 02/09/2005

CUSTOMER: Severn Trent Laboratories

PROJECT: 2005-02-0029

ATTN: Dimple Sharma

Customer Sample ID: MW-2
 Date Sampled.....: 02/01/2005
 Time Sampled.....: 13:57
 Sample Matrix.....: Water

Laboratory Sample ID: 233983-8
 Date Received.....: 02/03/2005
 Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	<5.0	5.0	mg/L	02/08/05	rnm

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS						
Job Number: 233983					Date: 02/09/2005	
CUSTOMER: Severn Trent Laboratories		PROJECT: 2005-02-0029		ATTN: Dimple Sharma		
Customer Sample ID: MW-1		Laboratory Sample ID: 233983-9				
Date Sampled.....: 02/01/2005		Date Received.....: 02/03/2005				
Time Sampled.....: 05:40		Time Received.....: 09:00				
Sample Matrix.....: Water						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	<5.0	5.0	mg/L	02/08/05	rnm

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 233983

Date: 02/09/2005

CUSTOMER: Severn Trent Laboratories PROJECT: 2005-02-0029 ATTN: Dimple Sharma

Lab ID:	Client ID:	Date Recvd:	Sample Date:			
233983-1	MW-9	02/03/2005	02/01/2005			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
HACH 8000	Chemical Oxygen Demand (HACH)	1	141461	141461		02/08/2005 1604
PKG INO (WC)	PKG INO (WET CHEMISTRY)	1				
233983-2	MW-8	02/03/2005	02/01/2005			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
HACH 8000	Chemical Oxygen Demand (HACH)	1	141461	141461		02/08/2005 1608
233983-3	MW-7	02/03/2005	02/01/2005			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
HACH 8000	Chemical Oxygen Demand (HACH)	1	141461	141461		02/08/2005 1612
233983-4	MW-6	02/03/2005	02/01/2005			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
HACH 8000	Chemical Oxygen Demand (HACH)	1	141461	141461		02/08/2005 1616
233983-5	MW-5	02/03/2005	02/01/2005			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
HACH 8000	Chemical Oxygen Demand (HACH)	1	141461	141461		02/08/2005 1620
233983-6	MW-4	02/03/2005	02/01/2005			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
HACH 8000	Chemical Oxygen Demand (HACH)	1	141461	141461		02/08/2005 1624
233983-7	MW-3	02/03/2005	02/01/2005			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
HACH 8000	Chemical Oxygen Demand (HACH)	1	141461	141461		02/08/2005 1628
233983-8	MW-2	02/03/2005	02/01/2005			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
HACH 8000	Chemical Oxygen Demand (HACH)	1	141461	141461		02/08/2005 1632
233983-9	MW-1	02/03/2005	02/01/2005			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
HACH 8000	Chemical Oxygen Demand (HACH)	1	141461	141461		02/08/2005 1636

Job Number.: 233983

QUALITY CONTROL RESULTS

Report Date.: 02/09/2005

CUSTOMER: Severn Trent Laboratories

PROJECT: 2005-02-0029

ATTN: Dimple Sharma

Test Method: HACH 8000 Batch: 141461 Analyst: rnm
 Method Description: Chemical Oxygen Demand (HACH) Equipment Code: Test Code: COD
 Parameter: Chemical Oxygen Demand (COD)

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc. F	*	Limits	Date	Time
MB	141461-001		mg/L	3.20000	U						02/08/2005	1500
LCS	141461-002	105ASTCD1	mg/L	52.80000		50.00000	3.20000 U	106	%	80-120	02/08/2005	1504

Test Method: HACH 8000 Batch: 141461 Analyst: rnm
 Method Description: Chemical Oxygen Demand (HACH) Equipment Code: Test Code: CODH
 Parameter: Chemical Oxygen Demand (COD-High)

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc. F	*	Limits	Date	Time
MB	141461-001		mg/L	3.20000	U						02/08/2005	1640
LCS	141461-027	105ASTCD2A	mg/L	457.14000		500.00000	32.00000 U	91	%	80-120	02/08/2005	1644

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 02/09/2005

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC Lab Cert. ID# 100201
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the stated limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.
- F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

- ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
- * LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the stated limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.
- F AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

- B MB: Batch QC is greater than reporting limit.
- * LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
- EB1, EB2, EB3, MLE: Batch QC is greater than reporting limit
- A Concentration exceeds the instrument calibration range
- a Concentration is below the method Reporting Limit (RL)
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 02/09/2005

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calibration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 02/09/2005

RTW Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB Seeded Control Blank
SD Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB Unseeded Control Blank
SSV Second Source Verification Standard
SLCS Solid Laboratory Control Standard(LCS)
PHC pH Calibration Check LCSP pH Laboratory Control Sample
LCDP pH Laboratory Control Sample Duplicate
MDPH pH Sample Duplicate
MDFP Flashpoint Sample Duplicate
LCFP Flashpoint LCS
G1 Gelex Check Standard Range 0-1
G2 Gelex Check Standard Range 1-10
G3 Gelex Check Standard Range 10-100
G4 Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); NSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

233983



Chain of Custody

Date Shipped: 2/2/2005

2005-02-0029 - 2

From:
STL San Francisco (CL)
 1220 Quarry Lane
 Pleasanton, CA 94566-4756

To:
STL Chicago
 2417 Bond Street
 University Park, IL 60466

Project Manager: Dimple Sharma
 Phone: (925) 484-1919 Ext:
 Fax: (925) 484-1096
 Email: dsharma@stl-inc.com

Phone: (708) 534-5200 Ext:
 Fax: (708) 534-5211
 Contact: Bonnie Stadelmann
 Phone: (708) 534-5200 Ext: 154

CL Submission #: 2005-02-0029
 CL PO #:

Project #: 41050001FA20
 Project Name: Conoco Phillips # 01106

	MW	Subcontract - COD	Order #	Date/Time	Material	Volume	Retention
1	MW-9		1	2/1/2005 11:00:00AM	Water	410.4	5 Day
2	MW-8		2	2/1/2005 11:23:00AM	Water	410.4	5 Day
3	MW-7		3	2/1/2005 11:50:00AM	Water	410.4	5 Day
4	MW-6		4	2/1/2005 12:15:00PM	Water	410.4	5 Day
5	MW-5		5	2/1/2005 12:40:00PM	Water	410.4	5 Day
6	MW-4		6	2/1/2005 1:05:00PM	Water	410.4	5 Day
7	MW-3		7	2/1/2005 1:31:00PM	Water	410.4	5 Day
8	MW-2		8	2/1/2005 1:57:00PM	Water	410.4	5 Day
9	MW-1		9	2/1/2005 5:40:00AM	Water	410.4	5 Day

RELINQUISHED BY: 1.
 Signature: *[Signature]* Time: 15:30
 Printed Name: *Dr. P. Thomas* Date: 2/2/05
 Company: *STL-SP*

RELINQUISHED BY: 2.
 Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____

RELINQUISHED BY: 3.
 Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____

RECEIVED BY: 1.
 Signature: *[Signature]* Time: 09:00
 Printed Name: _____ Date: 2/3/05
 Company: _____

RECEIVED BY: 2.
 Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____

RECEIVED BY: 3.
 Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____

233983



STL

Chain of Custody

Date Shipped: 2/2/2005

2005-02-0029 - 2

From: STL San Francisco (CL) 1220 Quary Lane Pleasanton, CA 94566-4756

To: STL Chicago 2417 Bond Street University Park, IL 60466

Project Manager: Dimple Sharma Phone: (925) 484-1919 Ext: Fax: (925) 484-1096 Email: dsharma@stl-inc.com

Phone: (708) 534-5200 Ext: Fax: (708) 534-5211 Contact: Bonnie Stadelmann Phone: (708) 534-5200 Ext: 154

CL Submission #: 2005-02-0029 CL PO #:

Project #: 41050001FA20 Project Name: Conoco Phillips # 01106



PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1. Signature: [Signature] Time: 15:30 Printed Name: Bryan Thomas Date: 2/2/05 Company: STL-SF

RELINQUISHED BY: 2. Signature: _____ Time: _____ Printed Name: _____ Date: _____ Company: _____

RELINQUISHED BY: 3. Signature: _____ Time: _____ Printed Name: _____ Date: _____ Company: _____

RECEIVED BY: 1. Signature: [Signature] Time: 0900 Printed Name: _____ Date: 2/3/05 Company: _____

RECEIVED BY: 2. Signature: _____ Time: _____ Printed Name: _____ Date: _____ Company: _____

RECEIVED BY: 3. Signature: _____ Time: _____ Printed Name: _____ Date: _____ Company: _____



STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

February 14, 2005

STL LOT NUMBER: E5B030318

Dimple Sharma
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Dear Ms. Sharma,

This report contains the analytical results for the nine samples received under chain of custody by STL Los Angeles on February 3, 2005. These samples are associated with your Submission No. 2005-02-0029 project.

The preliminary results were sent via facsimile on February 10, 2005.

STL Los Angeles certifies that the test results provided in this report meet all the requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number is 01118CA / E87652.

This report shall not be reproduced except in full, without the written approval of the laboratory.

000034

This report contains _____ pages.

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

CASE NARRATIVE

All applicable quality control procedures met method-specified acceptance criteria except as noted below. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. Any matrix related anomalies are footnoted within the report.

Details:

Please note that the samples were received at 6.1 degrees Celsius. As per NELAC samples should be between 2 to 6 degrees Celsius.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,



Jesse Bacwaden
Project Manager

CC: Project File

ESB030318



STL

Chain of Custody

Date Shipped: 2/2/2005

2005-02-0029 - 3

From:
STL San Francisco (CL)
 1220 Quarry Lane
 Pleasanton, CA 94566-4756

To:
 STL Los Angeles - Sub contract
 1721 South Grand Avenue
 Santa Ana, CA 92705

Project Manager: Dimple Sharma
 Phone: (925) 484-1919 Ext:
 Fax: (925) 484-1096
 Email: dsharma@stl-inc.com

Phone: (714) 258-8610 Ext:
 Fax: (714) 258-0921
 Contact: Sample Control
 Phone: (714) 258-8610 Ext:

CL Submission #: 2005-02-0029
 CL PO #:

Project #: 41050001FA20
 Project Name: Conoco Phillips # 01106

Client Sample ID	CL#	Sampled	Matrix	TAT
Analysis			Method	
MW-9 Subcontract - Methane and CO2 in water	1	2/1/2005 11:00:00AM	Water 3810	5 Day
MW-8 Subcontract - Methane and CO2 in water	2	2/1/2005 11:23:00AM	Water 3810	5 Day
MW-7 Subcontract - Methane and CO2 in water	3	2/1/2005 11:50:00AM	Water 3810	5 Day
MW-6 Subcontract - Methane and CO2 in water	4	2/1/2005 12:15:00PM	Water 3810	5 Day
MW-5 Subcontract - Methane and CO2 in water	5	2/1/2005 12:40:00PM	Water 3810	5 Day
MW-4 Subcontract - Methane and CO2 in water	6	2/1/2005 1:05:00PM	Water 3810	5 Day
MW-3 Subcontract - Methane and CO2 in water	7	2/1/2005 1:31:00PM	Water 3810	5 Day
MW-2 Subcontract - Methane and CO2 in water	8	2/1/2005 1:57:00PM	Water 3810	5 Day
MW-1 Subcontract - Methane and CO2 in water	9	2/1/2005 5:40:00AM	Water 3810	5 Day

RELINQUISHED BY: 1.
 Signature: *[Signature]* Time: 15:30
 Printed Name: Bryan Thomas Date: 2/2/05
 Company: STL-SF

RELINQUISHED BY: 2.
 Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____

RELINQUISHED BY: 3.
 Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____

RECEIVED BY: 1.
 Signature: *[Signature]* Time: 9:30
 Printed Name: *[Name]* Date: 2-3-05
 Company: STL

RECEIVED BY: 2.
 Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____

RECEIVED BY: 3.
 Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____

000003

ESB030318



STL

Chain of Custody

Date Shipped: 2/2/2005

2005-02-0029 - 3

From: **STL San Francisco (CL)**
 1220 Quarry Lane
 Pleasanton, CA 94566-4756

To: **STL Los Angeles - Sub contract**
 1721 South Grand Avenue
 Santa Ana, CA 92705

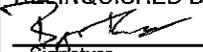
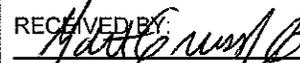
Project Manager: Dimple Sharma
 Phone: (925) 484-1919 Ext:
 Fax: (925) 484-1096
 Email: dsharma@stl-inc.com

Phone: (714) 258-8610 Ext:
 Fax: (714) 258-0921
 Contact: Sample Control
 Phone: (714) 258-8610 Ext:

CL Submission #: 2005-02-0029 Project #: 41050001FA20
 CL PO #: Project Name: Conoco Phillips # 01106

Client Sample ID	CL#	Sampled	Matrix
Analysis			Method TAT

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.  Signature Time 15:30 Dryan Thomas 2/2/05 Printed Name Date STL-SF Company	RELINQUISHED BY: 2. Signature Time Printed Name Date Company	RELINQUISHED BY: 3. Signature Time Printed Name Date Company
RECEIVED BY: 1.  Signature Time 9:30 Matt Glassfield 2-3-05 Printed Name Date STL Company	RECEIVED BY: 2. Signature Time Printed Name Date Company	RECEIVED BY: 3. Signature Time Printed Name Date Company

000004

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 2-3-05

LIMS Lot #: ESB030318

Quote #: 1,1928

Client Name: STL San Francisco

Project: CAUOCO Phillips #01106

Received by: U6

Date/Time Received: 2-3-05 / 9:30

Delivered by: Client STL DHL Fed Ex UPS Other

Custody Seal Status Cooler: Intact Broken None Initial / Date JRS 2/3/05

Custody Seal Status Samples: Intact Broken None

Custody Seal #(s): 689261 No Seal #.....

Sampler Signature on COC Yes No N/A.....

IR Gun # A Correction Factor 0.2 °C IR passed daily verification Yes No.....

Temperature - BLANK _____ °C +/- _____ CF = _____ °C.....

Temperature - COOLER (10.7 °C 6.4 °C 6.0 °C 6.2 °C) = 6.3 avg °C +/- ± CF = 6.1 °C.....

Samples outside temperature criteria but received within 6 hours of final sampling Yes N/A.....

Sample Container(s): STL-LA Client

One COC/Multiple coolers: Yes- # coolers _____ All within temp criteria Yes No N/A.....

One or more coolers with an anomaly: Yes - (fill out PRC for each) N/A.....

Samples: Intact Broken Other

pH measured: Yes Anomaly (if checked, notify lab and file NCM) N/A.....

Anomalies: No Yes - complete CUR and Create NCM NCM # 05-11446

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. Yes N/A.....

Labeled by: JRS Labeling checked = LA.....

Turn Around Time: RUSH-24HR RUSH-48HR RUSH-72HR NORMAL

Short-Hold Notification: pH Wet Chem Metals (Filter/Pres) Encore >1/2 HT expired...

Outside Analysis(es) (Test/Lab/Date Sent Out):

***** LEAVE NO BLANK SPACES ; USE N/A *****

Headspace Anomaly					
Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		<input type="checkbox"/> > 6mm			<input type="checkbox"/> > 6mm
		<input type="checkbox"/> > 6mm			<input type="checkbox"/> > 6mm
		<input type="checkbox"/> > 6mm			<input type="checkbox"/> > 6mm
		<input type="checkbox"/> > 6mm			<input type="checkbox"/> > 6mm
		<input type="checkbox"/> > 6mm			<input type="checkbox"/> > 6mm
		<input type="checkbox"/> > 6mm			<input type="checkbox"/> > 6mm
		<input type="checkbox"/> > 6mm			<input type="checkbox"/> > 6mm

Fraction	1	2	3	4	5	6	7	8	9				
VOAH/ *	6	6	6	6	6	6	6	5	5				

* VOA with headspace/bubbles < 6mm
 H: HCL, S: H2SO4, N: HNO3. V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
 AGB: Amber Glass Bottle, n/f1:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide. Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form		<input type="checkbox"/> N/A
<ul style="list-style-type: none"> COOLERS <ul style="list-style-type: none"> Not Received (received COC only) Leaking Other: 	<ul style="list-style-type: none"> CUSTODY SEALS (COOLER(S) CONTAINER(S)) <ul style="list-style-type: none"> None Not Intact Other 	<ul style="list-style-type: none"> CONTAINER(S) <ul style="list-style-type: none"> None Not Intact Other
<ul style="list-style-type: none"> TEMPERATURE (SPECS 4 ± 2°C) <ul style="list-style-type: none"> Cooler Temp(s) Temperature Blank(s) <u>6.1°C</u> 	<ul style="list-style-type: none"> CHAIN OF CUSTODY (COC) <ul style="list-style-type: none"> Not relinquished by Client; No date/time relinquished Incomplete information provided Other COC not received - notify PM 	
<ul style="list-style-type: none"> CONTAINERS <ul style="list-style-type: none"> Leaking Broken Extra Without Labels Other: 	<ul style="list-style-type: none"> LABELS <ul style="list-style-type: none"> Not the same ID/info as in COC Incomplete Information Markings/Info illegible Torn 	
<ul style="list-style-type: none"> SAMPLES <ul style="list-style-type: none"> Samples NOT RECEIVED but listed on COC Samples received but NOT LISTED on COC Logged based on Label Information Logged based on info from other samples on COC Logged according to Work Plan Logged on HOLD UNTIL FURTHER NOTICE 	<ul style="list-style-type: none"> Will be noted on COC—Client to send samples with new COC Mislabeled as to tests, preservatives, etc. Holding time expired – list sample ID and test Improper container used Not preserved/Improper preservative used Improper pH _____ Lab to preserve sample and document Insufficient quantities for analysis Other 	
Comments: _____ _____ _____ _____		
<ul style="list-style-type: none"> Corrective Action Implemented: Client Informed: verbally on _____ Sample(s) on hold until: _____ 		
By: _____ In writing on _____ By: _____ Sample(s) processed "as is," _____		
Logged by/Date: <u>Sunt 2-3-05</u>		PM Review/Date: <u>JB/2-04-05</u>



STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. CONOCO PHILLIPS #01106

2005-02-0029

Lot #: E5B030318

Dimple Sharma

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

**Jesse Bacwaden
Project Manager**

February 11, 2005

EXECUTIVE SUMMARY - Detection Highlights

E5B030318

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MW-9 02/01/05 11:00 001				
Carbon dioxide	100	0.17	mg/L	RSK SOP-175
MW-8 02/01/05 11:23 002				
Carbon dioxide	92	0.17	mg/L	RSK SOP-175
MW-7 02/01/05 11:50 003				
Carbon dioxide	120	0.17	mg/L	RSK SOP-175
MW-6 02/01/05 12:15 004				
Carbon dioxide	150	0.17	mg/L	RSK SOP-175
MW-5 02/01/05 12:40 005				
Carbon dioxide	37	0.17	mg/L	RSK SOP-175
MW-4 02/01/05 13:05 006				
Carbon dioxide	120	0.17	mg/L	RSK SOP-175
MW-3 02/01/05 13:31 007				
Carbon dioxide	120	0.17	mg/L	RSK SOP-175
MW-2 02/01/05 13:57 008				
Carbon dioxide	73	0.17	mg/L	RSK SOP-175
MW-1 02/01/05 05:40 009				
Carbon dioxide	57	0.17	mg/L	RSK SOP-175

METHODS SUMMARY

E5B030318

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Dissolved Gases in Water	RSK SOP-175	RSK RSKSOP-175

References:

RSK Sample Prep and Calculations for Dissolved Gas Analysis
 in Water Samples Using a GC Headspace Equilibration
 Technique, RSKSOP-175, REV. 0, 8/11/94, USEPA Research Lab

SAMPLE SUMMARY

E5B030318

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
G3QCN	001	MW-9	02/01/05	11:00
G3QDN	002	MW-8	02/01/05	11:23
G3QDQ	003	MW-7	02/01/05	11:50
G3QDR	004	MW-6	02/01/05	12:15
G3QDT	005	MW-5	02/01/05	12:40
G3QDV	006	MW-4	02/01/05	13:05
G3QDX	007	MW-3	02/01/05	13:31
G3QD0	008	MW-2	02/01/05	13:57
G3QD1	009	MW-1	02/01/05	05:40

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

STL SAN FRANCISCO

Client Sample ID: MW-9

GC Volatiles

Lot-Sample #....: E5B030318-001 Work Order #....: G3QCN1AA Matrix.....: W
Date Sampled....: 02/01/05 11:00 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 10:15
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>LIMIT</u>	<u>UNITS</u>
Methane	ND		0.0010	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-9

GC Volatiles

Lot-Sample #....: E5E030318-001 Work Order #....: G3QCN1AC Matrix.....: W
Date Sampled....: 02/01/05 11:00 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 10:15
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Carbon dioxide	100	0.17	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-8

GC Volatiles

Lot-Sample #....: E5B030318-002 Work Order #....: G3QDN1AA Matrix.....: W
Date Sampled....: 02/01/05 11:23 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 10:37
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Methane	ND	0.0010	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-8

GC Volatiles

Lot-Sample #....: E5B030318-002 Work Order #....: G3QDN1AC Matrix.....: W
Date Sampled....: 02/01/05 11:23 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 10:37
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Carbon dioxide	92	0.17	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-7

GC Volatiles

Lot-Sample #....: E5B030318-003 Work Order #....: G3QDQ1AA Matrix.....: W
Date Sampled....: 02/01/05 11:50 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 10:59
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>LIMIT</u>	<u>UNITS</u>
Methane	ND		0.0010	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-7

GC Volatiles

Lot-Sample #....: E5B030318-003 Work Order #....: G3QDQ1AC Matrix.....: W
Date Sampled....: 02/01/05 11:50 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 10:59
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Carbon dioxide	120	0.17	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-6

GC Volatiles

Lot-Sample #....: E5B030318-004 Work Order #....: G3QDR1AA Matrix.....: W
Date Sampled....: 02/01/05 12:15 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 11:20
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>LIMIT</u>	<u>UNITS</u>
Methane	ND		0.0010	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-6

GC Volatiles

Lot-Sample #....: E5B030318-004 Work Order #....: G3QDR1AC Matrix.....: W
Date Sampled....: 02/01/05 12:15 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 11:20
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Carbon dioxide	150	0.17	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-5

GC Volatiles

Lot-Sample #....: E5B030318-005 Work Order #....: G3QDT1AA Matrix.....: W
Date Sampled....: 02/01/05 12:40 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 11:43
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Methane	ND	0.0010	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-5

GC Volatiles

Lot-Sample #....: E5B030318-005 Work Order #....: G3QDT1AC Matrix.....: W
Date Sampled....: 02/01/05 12:40 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 11:43
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Carbon dioxide	37	0.17	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-4

GC Volatiles

Lot-Sample #....: E5B030318-006 Work Order #....: G3QDV1AA Matrix.....: W
Date Sampled....: 02/01/05 13:05 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 12:13
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Methane	ND	0.0010	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-4

GC Volatiles

Lot-Sample #....: E5B030318-006 Work Order #....: G3QDV1AC Matrix.....: W
Date Sampled....: 02/01/05 13:05 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 12:13
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Carbon dioxide	120	0.17	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-3

GC Volatiles

Lot-Sample #....: E5B030318-007 Work Order #....: G3QDX1AA Matrix.....: W
Date Sampled....: 02/01/05 13:31 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 12:37
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>LIMIT</u>	<u>UNITS</u>
Methane	ND		0.0010	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-3

GC Volatiles

Lot-Sample #....: E5B030318-007 Work Order #....: G3QDX1AC Matrix.....: W
Date Sampled....: 02/01/05 13:31 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 12:37
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GCI
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Carbon dioxide	120	0.17	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-2

GC Volatiles

Lot-Sample #....: E5B030318-008 Work Order #....: G3QD01AA Matrix.....: W
Date Sampled....: 02/01/05 13:57 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 12:58
Dilution Factor: 1 Instrument ID...: GC1
Analyst ID.....: 402431 Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Methane	ND	0.0010	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-2

GC Volatiles

Lot-Sample #....: E5B030318-008 Work Order #....: G3QD01AC Matrix.....: W
Date Sampled....: 02/01/05 13:57 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 12:58
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>
Carbon dioxide	73	0.17	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-1

GC Volatiles

Lot-Sample #....: E5B030318-009 Work Order #....: G3QD11AA Matrix.....: W
Date Sampled....: 02/01/05 05:40 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 13:44
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Methane	ND	0.0010	mg/L

STL SAN FRANCISCO

Client Sample ID: MW-1

GC Volatiles

Lot-Sample #....: E5B030318-009 Work Order #....: G3QD11AC Matrix.....: W
Date Sampled....: 02/01/05 05:40 Date Received...: 02/03/05 09:30 MS Run #.....:
Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
Prep Batch #....: 5041183 Analysis Time...: 13:44
Dilution Factor: 1
Analyst ID.....: 402431 Instrument ID...: GC1
Method.....: RSK SOP-175

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>LIMIT</u>	<u>UNITS</u>
Carbon dioxide	57		0.17	mg/L

SEVERN
TRENT

STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5B030318

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	W	RSK SOP-175		5041183	
002	W	RSK SOP-175		5041183	
003	W	RSK SOP-175		5041183	
004	W	RSK SOP-175		5041183	
005	W	RSK SOP-175		5041183	
006	W	RSK SOP-175		5041183	
007	W	RSK SOP-175		5041183	
008	W	RSK SOP-175		5041183	
009	W	RSK SOP-175		5041183	

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E5B030318 Work Order #...: G355T1AA Matrix.....: WATER
MB Lot-Sample #: M5B100000-183
Prep Date.....: 02/08/05 Analysis Time...: 09:51
Prep Batch #...: 5041183 Instrument ID...: GC1
Analysis Date...: 02/08/05
Dilution Factor: 1
Analyst ID.....: 402431

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
Methane	ND	0.0010	mg/L	RSK SOP-175
Carbon dioxide	ND	0.17	mg/L	RSK SOP-175

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: E5B030318 Work Order #...: G355T1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: M5B100000-183 G355T1AD-LCSD
 Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
 Prep Batch #...: 5041183 Analysis Time...: 09:03
 Dilution Factor: 1 Instrument ID...: GC1
 Analyst ID.....: 402431

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Methane	97	(70 - 125)			RSK SOP-175
	97	(70 - 125)	0.53	(0-30)	RSK SOP-175
Carbon dioxide	117	(75 - 135)			RSK SOP-175
	117	(75 - 135)	0.010	(0-20)	RSK SOP-175

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: E5B030318 Work Order #....: G355T1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: M5B100000-183 G355T1AD-LCSD
 Prep Date.....: 02/08/05 Analysis Date...: 02/08/05
 Prep Batch #....: 5041183 Analysis Time...: 09:03
 Dilution Factor: 1 Instrument ID...: GC1
 Analyst ID.....: 402431

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
Methane	0.327	0.318	mg/L	97		RSK SOP-175
	0.327	0.316	mg/L	97	0.53	RSK SOP-175
Carbon dioxide	18.0	21.0	mg/L	117		RSK SOP-175
	18.0	21.0	mg/L	117	0.010	RSK SOP-175

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Ms. Tina Totorica
 STL San Francisco
 1220 Quarry Lane, #C
 Pleasanton, CA 94566-4756

3942-A Valley Avenue
 Pleasanton, CA 94566-4715
 Tel: 925.462.2771
 Fax: 925.462.2775

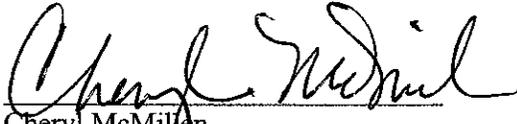
Sample Source:
 Project No.: 2005-02-0029
 Project Name: Conoco Phillips # 01106
 Date Sampled: 02/01/05
 Date Received: 02/02/05
 Matrix: Water

10 February, 2005
 Job No.0502009
 Sample No.001-009
 Cust. No.10176

Analyte	Results	Detection Limit	Method	Date Analyzed
Lab No.001 Sample I.D.: MW-9 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	02/02-07/05
Lab No.002 Sample I.D.: MW-8 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	02/02-07/05
Lab No.003 Sample I.D.: MW-7 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	02/02-07/05
Lab No.004 Sample I.D.: MW-6 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	02/02-07/05
Lab No.005 Sample I.D.: MW-5 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	02/02-07/05
Lab No.006 Sample I.D.: MW-4 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	02/02-07/05
Lab No.007 Sample I.D.: MW-3 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	02/02-07/05
Lab No.008 Sample I.D.: MW-2 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	02/02-07/05
Lab No.009 Sample I.D.: MW-1 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	02/02-07/05

STL San Francisco
9 February, 2005
Job No.0502009
Page 2 of 2

3942-A Valley Avenue
Pleasanton, CA 94566-4715
Tel: 925.462.2771
Fax: 925.462.2775


Cheryl McMillen
Laboratory Director

QUALITY CONTROL DATA - Biochemical Oxygen Demand (BOD)
Standard Method No.5210 B.
Date Analyzed: February 2-7, 2005

Laboratory Control Sample Summary

	Blank Result	True Value	Recovery (mg/L)		Relative Percent Difference
			LCS	LCSD	
BOD (mg/L):	N.D.	198	180	188	4.3
Reporting Limit (mg/L):	6				
QC Limits:			166-230		25



STL

Chain of Custody

CA 0502009 Date Shipped: 2/2/2005

2005-02-0029 - 1

From: STL San Francisco (CL) 1220 Quarry Lane Pleasanton, CA 94566-4756

To: Cerco Analytical - SUB CONTRACT ONLY 3942 Valley Avenue, Suite A Pleasanton, CA 94566

Project Manager: Dimple Sharma Phone: (925) 484-1919 Fax: (925) 484-1096 Email: dsharma@stl-inc.com

Phone: (925) 462-2771 Ext: Fax: (925) 462-2775 Contact: Darlene Langford Phone: (925) 462-2771 Ext:

CL Submission #: 2005-02-0029 CL PO #:

Project #: 41050001FA20 Project Name: Conoco Phillips # 01106

Table with columns: Client Sample ID, Analysis, CL#, Sampled, Matrix, Method, TAT. Rows include MW-9 through MW-1 with details on subcontract type, sampling time, and matrix (Water) and method (SM5210B).

RELINQUISHED BY: 1. Signature, Time (1200), Printed Name (M. Williams), Date (02/02/05), Company (STL SF)

RELINQUISHED BY: 2. Signature, Time (12:00 PM), Printed Name (Dimple Sharma), Date (2/2/05), Company (STL - SF)

RELINQUISHED BY: 3. Signature, Time, Printed Name, Date, Company

RECEIVED BY: Signature, Time (1200), Printed Name, Date (2/2/05), Company (STL SF)

RECEIVED BY: Signature, Time (12:20), Printed Name (Cerco), Date (2/2/05), Company (CERCO)

RECEIVED BY: 3. Signature, Time, Printed Name, Date, Company

STL San Francisco

Sample Receipt Checklist

Submission #: 2005- 02 - 0029

Checklist completed by: (initials) NAV Date: 02/02/05

Courier name: STL San Francisco Client FED-EXP

Custody seals intact on shipping container/samples Yes No Not Present

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

*2 COOLER RECD
2°C / 2.1*

Container/Temp Blank temperature in compliance (4°C ± 2)? Temp: 2°C Yes No

Potential reason for > 6°C - Ice melted Ice in bags Not enough ice Not enough blue ice Samples in boxes

Sampled < 4hr. ago? Ice not required (e.g. air or bulk sample)

Ice Present Yes No

Water - VOA vials have zero headspace? No VOA vials submitted Yes No

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~ O), M (medium ~ O) or L (large ~ O))

Water - pH acceptable upon receipt? Yes No

pH adjusted- Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc -Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: MW-2 & MW-1 RECD 1 VOA UNPRES BROKEN

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) AS Date: 2/3/05

Client contacted: Yes No

Summary of discussion: emailed Anju and Adrienne of broken voa received for MW-2 & MW-1. There is enough vials to do the analysis

Corrective Action (per PM/Client):

STATEMENTS

Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling of monitoring was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures - Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water containing a significant amount of liquid-phase hydrocarbons was accumulated separately in drums for transportation and disposal by Filter Recycling, Inc.

Limitations

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.